QBASIC Modular Programming - Analytical Question- SEE Computer Science 2079

Analytical Questions

1. NPABSON PRE BOARD

```
DECLARE FUNCTION test$ (A$)
CLS
INPUT "ENTER ANY WORD"; T$
PRINT test$(t$)
END
FUNCTION test$ (A$)
FOR M = LEN(A$) TO 1 STEP -1
C$= C$+ MID$(A$, M,1)
NEXT M
Test$ = C$
END FUNCTION
```

a) List the formal and actual parameters used in the program given above. **Formal = A$, Actual = t$**

b) List the library function used in the above program. **LEN and MID$**

2. [SEE 2075 S2]

```
DECLARE   SUB TRIM (W$)
CLS
INPUT "Enter word" ; WO$
CALL TRIM  (WO$)
END
SUB TRIM (WO$)
FOR I = 1 TO LEN (W$)
PRINT LEFT$ (W$, I)
NEXT I
END SUB
```

OUTPUT:
S
SE
SEE

a) What will be the output if input string is "SEE" in the above program?

b) List the real parameter used in the above program. **WO$**

3. [SQE 2075K]

```
DECLARE SUB SERIES (A, R, N)
CLS

INPUT "ENTER FIRST TERM"; X
INPUT "NUMBER OF TERMS TO BE
GENERATED:"; Z
CALL SERIES (X,Y,Z)
SUB SERIES (A, R, N)
FOR I = 1 TO N
PRINT A
A=A*R
NEXT
END SUB
```

```
OUTPUT:
3
6
12
24
```

a) What will be the output if the user input 3, 2 and 4 for variables X, Y and Z variables?

b) What type of parameter X, Y and Z are?

REAL/ACTUAL

4. [SLC 2069]

```
DECLARE  SUB EXAM (N$)
INPUT "Enter Word", WO$
CALL EXAM (WO$)
END
SUB EXAM(N$)
FOR I=1 TO LEN (N$)
PRINT RIGHT$(N$,1)
NEXT I
END SUB
```

a) Write the names of two built in functions used in the program. **LEN and RIGHT$**

b) List the real parameter and formal parameter in the program. **REAL : WO$ and FORMAL : N$**

5. SET

```
DECLARE SUB SEQUENCE (A,B,C)
CLS
X=10
Y=20
Z=30
CALL SEQUENCE (X,Y,Z)
END
SUB SEQUENCE (C,B,A)
PRINT A,B,C
END SUB
```

a) List the formal parameters and actual parameters used in the above program.
ACTUAL : X, Y and Z Formal: A, B and C

b) Will the above program execute if the position of parameter is to be changed? If 'yes' then which sequence of number list will it print either 10,20,30 or 30,20,10? **YES, 30 20 10**

6. MAAF MT 2079

```
DECLARE FUNCTION count(bs)
INPUT a$
num=count (a$)
PRINT num
END
FUNCTION count (b$)
FOR K=1 to LEN (bs)
aS=MIDS(b$, K, 1)
IF UCASES(a$)="D" THEN
c=c+1
END IF
NEXT K
count = c
END FUNCTION
```

a) What is the name of FUNCTION procedure used in above program? **COUNT**

b) List out the formal and actual arguments from the above program. **FORMAL : b$ and Actual : a$**

7. [SLC 2065]

```
DECLARE FUNCTION xyz(N)
FOR I = 1 TO 5
READ N
Z=xyz(N)
S=S+Z
NEXT I
PRINT S
DATA 10,13,15,4,6
END
FUNCTION xyz(N)
IF N MOD 2=0 THEN xyz=N
END FUNCTION
```

a) What is the name of the function used in the above program? **xyz**

b) How many times the function will be called in the above program? **5 times**

8. SEE 2078

```
DECLARE FUNCTION TEST(X)
X=100
Z=TEST(X)
PRINT Z
END
 FUNCTION TEST(X)
FOR R=1 TO X
S=S+I
NEXT R
TEST=S
END FUNCTION
```

a) How many parameters are used in the above program? **ONE**

b) How many times does the statement S=S+I execute in the above program? **100 TIMES**

9. [SLC 2068 S]

```
DECLARE SUB ABC(X,Y,Z)
FOR P=1 TO 3
READ A,B,C
CALL ABC(A,B,C)
NEXT P
DATA 5,4,3,2,1,6,7,8,4
END
SUB ABC(X,Y,Z)
T=X+Y+Z
IF T MOD 2 = 0 THEN
PRINT T
END IF
END SUB
```

a) List any two variables used in the above program. **T, X**

b) How many times SUB-procedure will be called when program is executed? **3 TIMES**

10. [SEE 2074 U]

```
DECLARE   FUNCTION   TEST (X)
X = 100
Z = TEST (X)
PRINT Z
END
FUNCTION TEST (X)
FOR I = 1 TO X
S = S +I
NEXT I
TEST = S
END FUNCTION.
```

a) How many parameters are used in the above program? **ONE**

b) How many times does the statement S=S+I get executed in the above program. **100 TIMES**

11. [MM 2076]

```
DECLARE FUNCTION SUM (N)
FOR I = 1TO 4
READ N
DATA 15 ,25, 69
PRINT SUM (N)
NEXT
END
FUNCTION SUM(N)
S=0
WHILE N<>0
R=N MOD 10
S=S+R
N=INT (N\10)
WEND
SUM=S
END FUNCTION
```

a) How many times the main function will be executed in the above program? **4 TIMES**

b) List the relational operators used in the above program? **< >**

12. SEE Grade Promotion 2078 - 1

```
DECLARE FUNCTION SUM(N)
```

```
CLS
INPUT"Enter any number": N
X=SUM(N)
PRINT"The sum of individual digit is "; X
END
FUNCTION SUM(N)
WHILE N<>0
R=N MOD 10
S=S+R
N=INT(N/10)
WEND
SUM=S
END FUNCTION
```

a) Write the function of INT.

Returns only the integer part of a number

b) How many times the WHILE…..WEND LOOP repeats if the value of N is 123? **3 times**

13. [SLC 2071 S]

```
DECLARE FUNCTION JPT (N)
        FOR ctr = 1 TO 6
        READ N
        J = JPT (N)
        Sum = Sum + J
        NEXT ctr
        PRINT Sum
        DATA 10, 20, 30, 40, 50, 60
```

```
END

FUNCTION JPT (N)
IF N MOD 2 = 0 THEN JPT = N
END FUNCTION
```

a) What is name to the function used in the above program? **JPT**

b) How many times the function will be executed in the above program? **6 TIMES**

14. SET

```
DECLARE FUNCTION greater(A,B)
CLS
INPUT”Enter first number”; X
INPUT”Enter second number”; Y
C = greater(X, Y)
PRINT "The greater number is " ; C
END
FUNCTION greater(A,B)
IF A>B THEN
GR = A
ELSE
GR = B
END IF
Greater = GR
END FUNCTION
```

a) What will be the output of the program if X = 6 and Y = 7? **The greater number is 7**

b) How many arguments are used in above program? **2**

15. PABSON FIRST TERM 2079

```
DECLARE FUNCTION FACT( N )
CLS
INPUT "Enter no"; N
PRINT "Factorial is"; FACT (N)
END
FUNCTION FACT (N)
F = 1
FOR X = 1 TO N
F = F * X
Next X
FACT = F
END FUNCTION
```

Questions:

a) What is the name of function procedure used in the above program? **FACT**

b) What is the main objective of the above program?

To display the factorial of the input number

16. [PMT 2075]

```
DECLARE SUB OT (N$)
N$ = "Computer Science"
CALL OT(N$)
END
SUB OT (N$)
B = LEN(N$)
c = 1
WHILE c <= B
m$ = MID$(N$, c, 1)
PRINT m$;
c = c + 2
WEND
END SUB
```

a) What is the value of B in the above program?

B= 16

b) How many parameters are used in the above sub procedure? **1**

17. SEE Grade Promotion 2078 - 2

```
DECLARE FUNCTION Prod(A,B)
CLS
INPUT “Enter first number”; A
INPUT “Enter second number”; B
PRINT “The product of the two number=”;
prod(A,B)
```

```
END
FUNCTION Prod(A,B)
P=A*B
Prod=P
END FUNCTION
```

a) List all the numerical variables used in the program. **A, B, P**

b) List the local variable/s used in the above program. **P**

18. PABSON PRE BOARD-1

```
DECLARE SUB PC$ (N)
CLS
 INPUT "Enter a number"; N
CALL PC$ (N)
END
SUB PC$ (N)
 FOR I=2 TO N-1
 R=N MOD I
 IF C=0 THEN
PRINT "Prime number"
 ELSE
PRINT "Composite number"
 ENDIF
END SUB
```

a) What is the name of sub procedure? **PC$**

b) List the local variable. **I, C, R**

19. [SEE 2073]

```
DECLARE FUNCTION Diff (A, B)
CLS
INPUT "Enter first number" ; A
INPUT "Enter second number" ; B
PRINT "The difference" ; Diff (A, B)
END
FUNCTION Diff (A, B)
difference = A - B
Diff = difference
END FUNCTION.
```

a) List all the numeric variables used in the above program. **A, B and difference**

b) List the local variables used in the above program. **difference**

20. [SEE 2067 S]

```
DECLARE FUNCTION Prod(A,B)
CLS
INPUT “Enter first number:”;A
INPUT “Enter second number:”;B
PRINT “the product of two number=”;Prod(A,B)
END
FUNCTION Prod(A,B)
    P=A*B
```

Prod=P
END FUNCTION

a) List all the numerical variables used in the program. **A, B, P**

b) List all the local variables used in the program. **P**

21. [SEE 2073 U]

```
DECLARE FUNCTION SUM (A, B)
INPUT A
INPUT B
X = SUM (A, B)
PRINT X
END
FUNCTION SUM (A, B)
S = A+B
SUM = S
END FUNCTION.
```

a) Write the name of local variable used in the above FUNCTION procedure. **S**

b) Write the Mathematical operator and Relation operator used in above program. **+ and =**

22. SET

```
DECLARE SUB SERIES(A, B)
DECLARE FUNCTION SUM(P,Q)
```

```
COMMON SHARED N
INPUT "Enter First Term";X
INPUT "Enter Second Term";Y
INPUT "Enter Number of Terms to be generated"; N
CALL SERIES(X, Y)
END

SUB SERIES (A, B)
FOR I = 1 TO N
PRINT A
A=SUM(A,B)
NEXT I
END SUB
FUNCTION SUM (P,Q)
SUM=P+Q
END FUNCTION
```

```
OUTPUT:
10
18
26
34
42
```

a) What will the output if X=10, Y=8 and N=5.

b) List out the local variables and global variable in the above program. **local : I and global : N**

23. PABSON 2070

```
DECLARE SUB TEST()
DIM SHARED A$,B$,C$
CLS
FOR P= 1 TO 3
READ A$,B$,C$
```

```
NEXT P
DATA “BAGMATI” , “SAGARMATHA” , “KOSHI”
CALL TEST
END
SUB TEST
L$=A$
IF LEN(B$)>LEN(L$) THEN L$=B$
IF LEN(C$)>LEN(L$) THEN L$=C$
PRINT L$
END SUB
```

a) List the global variables used in the above program. **A$, B$ and C$**

b) What is the output of the above program?

SAGARMATHA

24. [SLC 2066]

```
DECLARE FUNCTION Num(N)
INPUT N
S=Num(N)
PRINT S
END
FUNCTION Num(N)
X=Int(17/N)
Y=15 MOD N
Num=X +Y
END FUNCTION
```

a) Write the name of the function used in the above program. **NUM**

b) List out the mathematical function (Library function) used in the above program. **INT**

25. [SEE 2075 U]

```
DECLARE SUB TEST (N$ )
INPUT N$
CALL TEST ( N$ )
END
SUB TEST (N$ )
FOR P = 1 TO LEN ( N$ )
B$ = MID$ (N$, P, 1)
IF LCASE$ (B$) = “a” THEN
C = C + 1
END IF
NEXT P
PRINT C
END SUB
```

a) Write the name of the sub procedure used in the above program. **TEST**

b) Write any two library functions used in the above program. **LEN , MID$ and LCASE$**

26. [SLC 2068]

```
Declare function count(N$)
Input “Enter a word”; R$
C= Count(R$)
```

```
Print C
END
Function count(N$)
For k=1 to LEN(n$)
X$=MID$(N$,K,1)
IF UCASE$(X$)=”A” then
X=X+1
End if
Next K
Count = X
End function
```

a) List any two library functions used in the above program. **MID$, UCASE$**

b) Write the use of variable ‘C’ inline 3 [i.e. C=Count(R$)] given in the above program.

Stores a value returned by count function

27. [SLC 2066 S]

```
DECLARE FUNCTION COUNT(A$)
Input “Enter a word”; W$
END
Function Count(A$)
B=LEN(A$)
C$=UCASE$(A$)
FOR I=1 TO B
 E$=MID$(C$,I,1)
```

```
 IF E$="A" OR E$="E" OR E$="I" OR E$="O" OR
E$="U" THEN   C=C+1
COUNT=C
END FUNCTION
```

a) List the string Library functions used in the above program. **UCASE$, MID$**

b) Write down the missing statements in the main module to execute the program.

PRINT COUNT (W$)

28. [SLC 2071]

```
DECLARE SUB Stde(N$U)
FOR Loop = 1 TO 5
READ NM$(Loop)
NEXT Loop
DATA RAMA, PRATIMA, PRASANT
DATA NISHA, RUDHRA
CALL Stde(NM$U)
END
SUB Stde(N$U)
PRINT "Name starting from P"
FOR J = 1 TO 5
C$=MID$(N$,(J),1,1)
IF C$="P" THEN
PRINT N$(J)
END IF
```

```
NEXT J
END SUB
```

a) List the library function used in the above program. **MID$**

b) List the conditional statement used in the above program. **C$ = "P"**

29. [SLC 2070 S]

```
DECLARE FUNCTION rev$ (N$)
    INPUT "Any string"; N$
    PRINT rev$ (N$)
END
FUNCTION rev$ (N$)
    FOR X = LEN (N$) to 1 STEP -1
            A$=MID$ (N$, X, 1)
            B$ = B$ + A$
    NEXT X
    rev$ = B$
END FUNCTION
```

a) List the library function used in the above program. **LEN, MID$**

b) What will be the maximum value of X if the N$ is equal to "Computer". **8**

30. SET

```
DECLARE SUB WORD(X$)
x$ = "COMPUTER"
END
SUB WORD (N$)
L = LEN(x$)
FOR I=L To1 STEP-2
PRINT MID$(X$,I,1)
NEXT I
END SUB
```

a) What statement should be added in the main module to execute the program? **CALL WORD (X$)**

b) List numeric and string variable.

I and L : N$ and X $

31. NPABSON 2078

```
DECLARE SUB result(m$)
m$=”NPABSAN”
END
SUB result(m$)
C=LEN(m$)
B=1
WHILE B<=C
PRINT MID$(m$, b, 1);
B=B+2
WEND
```

END SUB

a) What is missing in above program?
CALL RESULT (M$)

b) List out the numeric and string variable in the above program. **C, B and M$**

32. [SLC 2070]

```
DECLARE FUNCTION Sum(A,B)
INPUT "Enter first number:"; A
INPUT "Enter second number:"; B
PRINT "The sum of the two number=";Sum(A,B)
END
FUNCTION SUM(A,B)
S=A+B
Sum=S
END FUNCTION
```

a) List the numerical variables used in the above program. **S, A and B**

b) Will the program run if the first line (i.e. DECLARE….) is deleted? **YES**

33. SET

```
DECLARE SUB WORD(N$)
N$="NEPAL"
CALL WORD(N$)
END
```

```
SUB WORD(N$)
LET B=LEN(N$)
LET C= 1
WHILE C<=B
M$=MID$(N$,C,1)
PRINT M$;
C=C+2
WEND
END SUB
```

a) What is the value of B in the above program? **5**

b) List out the numeric and string variable used in the above program. **B and C :::: N$ and M$**

34. SEDIPS 2070

```
DECLARE SUB ABC(A,B,C)
INPUT P, Q, R
CALL ABC(P,Q,R)
END
SUB ABC(A,B,C)
IF (A>B AND A<B) OR (A<B AND A>C) THEN
PRINT “The middle number is”;A
ELSEIF (B>A AND B<C) OR (B<A AND B>C)
THEN
PRINT “The middle number is”;B
ELSE
PRINT “The middle number is”;C
```

```
END IF
END SUB
```

a) What is the alternative way of invoking the SUB module? **Research ....if found post here**

b) Make a list of operators and state their types.

Relational operator : > , >

Logical operator: AND, OR

35. [SLC 2065 S]

```
DECLARE FUNCTION Diff(A,B)
CLS
INPUT “Enter first number”;A
INPUT “Enter second number”;B
PRINT “The difference of the two
number=”;Diff(A,B)
END
FUNCTION Diff(A,B)
D=A-B
Diff=D
END FUNCTION
```

a) What will be the output of the program if the user enters 200 as the first number and 100 as the second number?

The difference of the two number = 100

b) Will the program run if the first line (i.e. DECLARE…..) is deleted? **Yes**

36. NPABSON 2070

```
DECLARE FUNCTION BB(N)
 FOR I = 1 TO 4
READ P
Y=Y+BB(P)
NEXT I
DATA 23, 45, 60, 12
PRINT Y
END
FUNCTION BB(N)
IF N MOD 2 = 0 THEN FIND=N
END FUNCTION
```

a) How many times function …….. end function execute in above program? **4 times**

b) Does the program execute, if underlined statement is removed from the main module? **YES**

37. [SLC 2069 S] [JEC 2078]

```
DECLARE FUNCTION CHK$(N)
N=57
PRINT "The number is"; CHK$(N)
END
```

```
FUNCTION CHK$(N)
FOR I = 1 TO N
IF N MOD I = 0 THEN C=C+1
NEXT I
IF C>2 THEN
CHK$=”Composite”
ELSE
CHK$=”Prime”
END IF
END FUNCTION
```

a) Will the above program execute if “DECLARE FUNCTION….” is deleted. **YES**

b) Why $ sign is used in the name of the above function. **Because it returns a string value**

38. [SQE 2074K]

```
DECLARE SUB PATTRA (N)
N = 7
CALL PATTRA(N)
END
SUB PATTRA(N)
FOR I = 1 to 5
PRINT N
IF N MOD 2 = 1 THEN
N = (N*2) + 1
ELSE
```

```
N = N / 2
END IF
NEXT I
END SUB
```

```
OUTPUT:
7
15
31
63
127
```

a) Write the output of the above program?
b) Write down the function of MOD in the above program. **It returns remainder after division.**

39. [SEE 2074]

```
DECLARE FUNCTION SUM (N)
INPUT "Enter any number", N
S = SUM (N)
PRINT "The Sum of individual digit is:", S
END
FUNCTION SUM (N)
WHILE N > 0
R = N MOD 10
T = T + R
N = N\10
WEND
SUM = T
END FUNCTION.
```

a) State the purpose of using variable S in line 4 in above program.
S stores a value return by the function SUM

b) Write the use of MOD in above program. **To get all the digits of a number as remainder**

40. [SLC 2072]

```
DECLARE FUNCTION Prod (N)
INPUT "Any Number"; N
X = Prod (N)
PRINT x
END
FUNCTION Prod (N)
F= 1
FOR K = 1 TO N
F = F * K
NEXT K
Prod = F
END FUNCTION
```

a) Write the name of the user defined function used in above program. **Prod**

b) Name the loop in above program? **For Loop**

41. [SLC 2067]

```
DECLARE SUB SUM(N)
INPUT”ANY NUMBER”;N
CALL SUM(N)
END
```

```
SUB SUM(N)
S=0
WHILE N<>0
R=N MOD 10
S=S+R
N=N\10
WEND
PRINT "SUM";S
END SUB
```

a) In which condition the statements within the WHILE….WEND looping statement will not be executed? **When N = 0**

b) Will the output be the same if we place " / " instead of"\" in the above program. **No**

42. [SLC 2064]

```
DECLARE FUNCTION CELLS$(W$)
W$="CYBER"
PRINT CELL$(W$)
END
FUNCTION CELL$
K=LEN(W$)
FOR I = K TO 1 STEP -2
        M$=M$+MID$(W$,I,1)
NEXT I
CELLS$=M$
```

END FUNCTION

a) Why is $(dollar) sign followed in the function name? **Function returns a single string value**
b) What will be the output of the program when it is executed? **RBC**
c) What will be the output of the program when FOR loop is changed as FOR I= 1 TO K STEP 2? **CBR**
d) What is the name of sign "+" used in the program and what operation does it perform? **STRING OPERATOR + to combine two or more strings**

43. SOS 2078

```
DECLARE SUB test(c, d)
DIM SHARED c
CLS
a=90
b=100
c=95
CALL test(a, (b))
x=x+2
PRINT a,b,c,x
END
SUB test(e,f)
```

```
SHARED x
x=12
e=e+12
f=b+3
c=c+5
PRINT x;
END SUB
```

OUTPUT of a :
12 102 100 100 14

OUTPUT of b :
12 102 100 100 2

a) What will be the output of the program?
b) What will be the output if the statement "SHARED X" is removed from the program?

44. SEE MODEL SET 1

```
OPEN "Detail.dat" FOR INPUT AS #1
OPEN "Temp.dat" FOR OUTPUT AS #2
INPUT "Enter name of the students"; S$
FOR I=1 TO 10
INPUT #1, Nm$, Cl, A
IF S$< >Nm$ THEN
WRITE #2, Nm$, Cl, A
END IF
NEXT I
CLOSE #1, #2
KILL "Detail.dat"
NAME "Temp.dat" AS "Detail.dat"
END
```

a) What is the main objective of the program given above? **It deletes the record of the student whose name matches from Detail.dat**

b) Do you get any problem in the above program if "Kill" statement is removed? Give reason.

Yes. Gives error "File already exists"

45. SEDIPS 2078

```
OPEN "BUSRIDER.TXT" FOR INPUT AS #1
OPEN "TEMP.TXT" FOR OUTPUT AS #2
CLS
WHILE NOT EOF (1)
INPUT #1, STUDENTNAME$, CLASS, BUSCOED, BUSSTOP$
IF UCASE$(BUSSTOP$) < >
UCASE$("KATHMANDU") THEN
WRITE#2, STUDENTNAME$, CLASS, BUSCODE, BUSSTOP$
PRINT STUDENTNAME$, CLASS, BUSCODE, BUSSTOP$
WEND
CLOSE #1, #2
KILL "BUSRIDER.TXT"
NAME "TEMP.TXT" AS "BUSRIDER.TXT"
END
```

a) What is the main objective of the program given above?
It deletes the record of the student whose BUSSTOP matches to Kathmandu from BUSRIDER.txt

b) Do you get any problem in above program if "Kill" statement is removed? Give reason.
Yes. Gives error "File already exists"

46. PABSON 2078 SET C

```
OPEN "Exam.dat" FOR INPUT AS #1
OPEN "Sample.dat" FOR OUTPUT AS #2
WHILE NOT EOF(1)
INPUT #1, Nm$, Cl, A
IF Cl < > 10 THEN
WRITE #2, Nm$, Cl, A
END IF
WEND
CLOSE #1, #2
KILL "Exam.dat"
NAME "Sample.dat" AS "Exam.dat"
END
```

a) What is the main objective of the program given above?
It deletes the record of the class 10 student from Exam.dat

b) What is the function of EOF( ) statement in the above program?

EOF is used to check if the End Of File has been reached or not.

47. SET

```
Open "Record.dat" for Input AS#1
WHILE NOT EOF (1)
INPUT #1, N$ , AD$ , PH#
PRINT N$ AD$ , PH#
WEND
CLOSE #1
END
```

a) What is the purpose of EOF (1) in the above program? **EOF is used to check if the End Of File has been reached or not**.

b) What happened if we are not using Open Statement in the above program?

Gets error message "Bad file name or number"

48. SEE MODEL SET 2

```
OPEN "EMP.DAT" FOR INPUT AS #1
DO
INPUT #1, N$, A$, S
IF UCASE$(A$)="KATHMANDU" THEN
PRINT N$, A$, S
```

```
END IF
LOOP WHILE NOT EOF(1)
CLOSE #1
END
```

a) Write the use of statement "INPUT #1, N$, A$, S" in the above program.
It reads a record and assign 1st data item to N$, 2nd data item to A$ and 3rd data item to S from sequential data item EMP.dat

b) What happens if you remove "UCASE$" from the above program?
Displays the record only whose address is "KATHMANDU" in upper case.

49. PABSON PRE BOARD-2

```
CLS
OPEN "INFO.DAT" FOR INPUT AS #5
TOP:
INPUT "ENTER NAME"; N$
INPUT "ENTER ADDRESS";A$
INPUT "ENTER PHONE NUMBER";P
WRITE #5, N$, A$, P
INPUT "DO YOU WANT TO CONTINUE (Y/N)?";
AN$
IF UCASE$ (AN$) = "Y" THEN GOTO TOP
CLOSE #5
```

Questions:

a) List the variables used in above program.
N$, A$, P and AN$

b) What is the name of data file used in above program? **INFO.DAT**

50. SOS 2070

```
OPEN "DETAIL.DAT" FOR INPUT AS #1
OPEN "TEMP.DAT" FOR OUTPUT AS #2
INPUT "Name of the students";S$
FOR I = 1 TO 10
INPUT #1,N$, C, A
IF S$<>N$ THEN
WRITE #2, N$, C, A
END IF
NEXT I
CLOSE #1,#2
KILL "DETAIL.DAT"
NAME "TEMP.DAT" AS "DETAIL.DAT"
END
```

a) Will the program run if the KILL "DETAIL.DAT" is removed? Why?
NO, gives error "File already exists"

b) If the data file "DETAIL.DAT" contains only 8 records, then the program will run? Why?
No, gives error message " Input past end of file"

1. [SLC 2065]

```
DECLARE FUNCTION SUM(a,b)
REM Program to sum given two numbers
 Input ”Enter first number”; x
 Input “Enter second number; y
PRINT SUM(a,b)
END

FUNCTION SUM(x,y)
SUM=a+b
 END
```

2. [SLC 2072]

```
FUNCTION SUM (m,n)
Rem to print sum of two numbers
a= 6
b= 7
DISPLAY SUM (a, b)
END

FUNCTION SUM (m,n)
S = m +n
S = SUM
END SUM
```

3. [SLC 2068]

```
CREATE FUNCTION Square(A)
Rem to print square of a number
 CLS
Get “a number”; A
CALL square(A)
END
FUNCTION square(A)
 Ans=A^2
 Square=Ans
END Square(A)
```

4. PABSON FIRST TERM 2079

```
DECLARE SUB SUM (P, Q, R)
CLS
INPUT “Enter the numbers”: P,Q,R
CALL SUM
END SUB
SUB Check(P,Q,R)
S = P + Q + R
PRINT “Sum of three numbers is”; SUM
END SUB
```

1. [SLC 2065]

```
DECLARE FUNCTION SUM(a,b)
REM Program to sum given two numbers
 Input” Enter first number”; x
 Input “Enter second number;” y
PRINT SUM(x,y)
END

FUNCTION SUM(x,y)
SUM=a+b
 END FUNCTION
```

2. [SLC 2072]

```
DECLARE FUNCTION SUM (m,n)
Rem to print sum of two numbers
a= 6
b= 7
PRINT SUM (a, b)
END

FUNCTION SUM (m,n)
S = m +n
SUM = S
END FUNCTION
```

3. [SLC 2068]

```
DECLARE FUNCTION Square(A)
Rem to print square of a number
 CLS
INPUT “a number”; A
PRINT square(A)
END

FUNCTION square(A)
 Ans=A^2
 Square=Ans
END FUNCTION
```

4. PABSON FIRST TERM 2079

```
DECLARE SUB SUM (P, Q, R)
CLS
INPUT “Enter the numbers”; P,Q,R
CALL SUM (P,Q,R)
END
SUB Check(P,Q,R)
S = P + Q + R
PRINT “Sum of three numbers is”; S
END SUB
```

5. SQUARE

```
Rem to print square root of entered number.
DECLARE SOB SQUARE (N)
ENTER N
DISPLAY SQUARE (N)
END

SUB SQUARE (N)
S= N^0.5
PRINT S
FINISH
```

6.

```
REM TO FIND SQUARE ROOT OF THE REM
FIRST FIVE NATURAL NUMBERS
CLS
DECLARE FUNCTION SQROOT (D)
FOR K= 1 TO 15
A = SQROOT(K)
PRINT "SQUARE ROOT"; K; "="; K
NEXT K
END

FUNCTION SQROOT (D)
SQROOT =SQR(K)
END
```

7. [MM 2076]

```
REM To check the input no. is perfect
REM square or not
DECLARE FUNCTION chk$ (a)
CLS
INPUT “Enter the number :”; a
CALL chk$ (a)
END
FUNCTION chk$(a)
m=SQUARE (a)
n=INT (m)
IF m=a THEN
c$=”Perfect Square”
ELSE
c$=”Not Perfect Square”
END IF
C$=chk$
END FUNCTION
```

5. SQUARE

```
Rem to print square root of entered number.
DECLARE SUB SQUARE (N)
INPUT “Enter number”; N
CALL SQUARE (N)
END

SUB SQUARE (N)
S= N^0.5
PRINT S
END SUB
```

6.

```
REM TO FIND SQUARE ROOT OF THE REM
FIRST FIVE NATURAL NUMBERS
CLS
DECLARE FUNCTION SQROOT (D)
FOR K= 1 TO 5
A = SQROOT(K)
PRINT "SQUARE ROOT"; K; "="; A
NEXT K
END

FUNCTION SQROOT (D)
SQROOT =SQR(D)
END  FUNCTION
```

7. [MM 2076]

```
REM To check the input no. is perfect
REM square or not
DECLARE FUNCTION chk$ (a)
CLS
INPUT “Enter the number :”; a
PRINT chk$ (a)
END
FUNCTION chk$(a)
m=SQR(a)
n=INT (m)
IF m=n THEN
c$=”Perfect Square”
ELSE
c$=”Not Perfect Square”
END IF
chk$=c$
END FUNCTION
```

8. GREAT

```
DECLARE SUB CORRECT ()
CLS
Call Correct
End
SUB CORRECT
Rem to find greatest number among three REM
numbers
WRITE “Enter and three number”; A, B, C
If A>B AND A>C then
G=A
IF B>A AND B>C then
G=B
ELSE
G=C
IF END
Display “Greatest number”; G
End Sub
```

8. GREAT

```
DECLARE SUB CORRECT ()
CLS
Call Correct
End
SUB CORRECT
Rem to find greatest number among three REM
numbers
INPUT “Enter and three number”; A, B, C
If A>B AND A>C then
G=A
ELSEIF B>A AND B>C then
G=B
ELSE
G=C
END IF
PRINT “Greatest number”; G
End Sub
```

9. SEE 2078

```
DECLARE SUB Series ( )
CLS
EXECUTE Series
END
SUB Series( )
REM Program to generate 1 1 2 3 5 .....upto
REM the 20th terms
A=1
B=1
FOR ctr=10 to 1
DISPLAY A:B:
A=A+B
B=A+B
NEXT ctr
END Series ( )
```

9. SEE 2078

```
DECLARE SUB Series ( )
CLS
CALL Series
END
SUB Series( )
REM Program to generate 1 1 2 3 5 .....upto
REM the 20th terms
A=1
B=1
FOR ctr=1 to 10
PRINT A,B;
A=A+B
B=A+B
NEXT ctr
END SUB
```

10. [SLC 2064] [SLC 2067 S] [SLC 2071 S]

```
DECLARE SUB Series( )
CLS
EXECUTE Series
END
SUB Series( )
REM program to generate 3 3 6 9 15 upto 20th
terms.
A=3
B=3
FOR ctr= 10 to 1
```

10. [SLC 2064] [SLC 2067 S] [SLC 2071 S]

```
DECLARE SUB Series( )
CLS
CALL Series
END
SUB Series( )
REM program to generate 3 3 6 9 15 upto REM
20th terms.
A=3
B=3
FOR ctr= 1 to 10
```

```
DISPLAY A;B;
Next ctr
End Series
```

```
PRINT A;B;
Next ctr
End SUB
```

11. [SLC 2066]

```
DECLARE SUB Fibonic ()
REM *Fibonic series*
CALL SUB Fibonic
END
SUB Fibonic
A=1
B=1
FOR x=1 to 10
DISPLAY a;
a=a+b
b=a+b
END Fibonic
```

11. [SLC 2066]

```
DECLARE SUB Fibonic ()
REM *Fibonic series*
CALL Fibonic
END
SUB Fibonic
A=1
B=1
FOR x=1 to 10
PRINT a;
a=a+b
b=a+b
NEXT x
END SUB
```

12. [SEE 2065 S]

```
DECLARE SUB Series()
EXECUTE Series
END

SUB Series
A=2
B=2
FOR ctr= 1 to 5
DISPLAY A;B;
A=A+B
B=A+B
LOOP ctr
END Series()
```

12. [SEE 2065 S]

```
DECLARE SUB Series()
CALL Series
END

SUB Series
A=2
B=2
FOR ctr= 1 to 5
PRINT A;B;
A=A+B
B=A+B
NEXT ctr
END SUB
```

13. [SEE 2073 U]

```
DECLARE SUB Series ( )
CLS
EXECUTE Series
END
SUB Series
REM Program to print 4 4 8 12 20 ..... 20th
terms
X = 4
Y = 4
FOR ctr = 10 To 1
DISPLAY X; Y;
X = X+Y
Y = X+ Y
```

13. [SEE 2073 U]

```
DECLARE SUB Series ( )
CLS
CALL Series
END
SUB Series
REM Program to print 4 4 8 12 20 ..... 20th
REM terms
X = 4
Y = 4
FOR ctr = 1 To 10
PRINT X; Y;
X = X+Y
Y = X+ Y
```

```
Next ctr
End Series
```

14. [SLC 2070]

```
DECLARE SUB Series ( )
CLS
EXECUTE Series
END
SUB Series
REM to generate 2 2 4 6 10….. upto 10th term
P=2
Q=2
FOR Ctr=1 TO 5
DISPLAY P,Q,
P=P+Q
Q=P+Q
WEND
END Series ()
```

15. [SLC 2071]

```
DECLARE SUB CUBE (N)
CLS
FOR I = 1 TO 5
READ
CALL CUBE (No)
NEXT X
DATA 3, 5, 2, 6, 4
END
SUB CUBE ( )
DISPLAY N^3
END SUB
```

16. [SEE 2073]

```
DECLARE SUB SUM (N)
INPUT "Any Number"; N
PRINT SUM (N)
END
SUB SUM (N)
S = 0
WHILE N = 0
R = R MOD 10
S = S+R
N = N/10
WEND
PRINT "Sum of digits"; s
END
```

```
Next ctr
End SUB
```

14. [SLC 2070]

```
DECLARE SUB Series ( )
CLS
CALL Series
END
SUB Series
REM to generate 2 2 4 6 10….. upto 10th REM term
P=2
Q=2
FOR Ctr=1 TO 5
PRINT P,Q,
P=P+Q
Q=P+Q
NEXT Ctr
END SUB
```

15. [SLC 2071]

```
DECLARE SUB CUBE (N)
CLS
FOR I = 1 TO 5
READ No
CALL CUBE (No)
NEXT I
DATA 3, 5, 2, 6, 4
END
SUB CUBE (N)
PRINT N^3
END SUB
```

16. [SEE 2073]

```
DECLARE SUB SUM (N)
INPUT "Any Number"; N
CALL SUM (N)
END
SUB SUM (N)
S = 0
WHILE N<>0
R = N MOD 10
S = S+R
N = N\ 10
WEND
PRINT "Sum of digits"; S
END SUB
```

17. [SEE 2074]

```
REM TO find the factorial of a given
REMnumber.
DECLARE FUNCTION FACTO (N$)
CLS
INPUT "Enter a number", X
PRINT "The Factorial is: ", FACTO (N)
END
FUNCTION FACTO (N)
F = 1
WHILE N = 0
F = F*N
N = N - 1
WEND
F = FACTO
END FUNCTION
```

18. SOS 2078

```
REM to print odd numbers from 32 to 12
DECLARE SUB show ( )
CALL show
END
SUB show ( )
N=12
WHILE N<=32
IF N MOD 2 = 0 THEN PRINT N;
N = N – 1
NEXT N
END SUB
```

19. PABSON PRE BOARD 2078 – 1

```
Rem to convert the given number in reverse
REM order
DECLARE FUNCTION REV (A)
CLS
INPUT "ENTER A NUMBER"; A
CALL REV (A)
PRINT "REVERSE ="; RE
END
FUNCTION REV$ (A)
WHILE A<> 0
R= A MOD2
S = S * 10 + R
A = A - 10
WEND
REV = S
END SUB
```

20. JEC 2070

```
DECLARE FUNCTION result$(n)
```

17. [SEE 2074]

```
REM TO find the factorial of a given
REMnumber.
DECLARE FUNCTION FACTO (N)
CLS
INPUT "Enter a number",X
PRINT "The Factorial is: ", FACTO (X)
END
FUNCTION FACTO (N)
F = 1
WHILE N <> 0
F = F*N
N = N - 1
WEND
FACTO = F
END FUNCTION
```

18. SOS 2078

```
REM to print odd numbers from 32 to 12
DECLARE SUB show ( )
CALL show
END
SUB show ( )
N=32
WHILE N>=12
IF N MOD 2 <> 0 THEN PRINT N;
N = N – 1
WEND
END SUB
```

19. PABSON PRE BOARD 2078 – 1

```
Rem to convert the given number in reverse
REM order
DECLARE FUNCTION REV (A)
CLS
INPUT "ENTER A NUMBER"; A
PRINT "REVERSE ="; REV(A)
END
FUNCTION REV (A)
WHILE A<> 0
R= A MOD 10
S = S * 10 + R
A = A \10
WEND
REV = S
END FUNCTION
```

20. JEC 2070

```
DECLARE FUNCTION result$(n)
CLS
```

```
INPUT n
B$= result (n)
PRINT B$
END
FUNCTION result (n)
IF n MOD 2=0 THEN
result= "odd"
ELSE
result= "even"
END IF
END FUNCTION
```

21. SET

```
DECLARE FUNCTION BINARY(N)
CLS
INPUT "Enter any number=";N
PRINT "Result=";BINARY()
END
FUNCTION BINARY(A)
BASE=2
WHILE A<>0
R=A MOD BASE
A=A/BASE
B$=STR$(R)+B$
WEND
BINARY=VAL(B)
END FUNCTION
```

22. SOS 2070

```
REM to display the binary equivalent of
REMdecimal number
DECLARE FUNCTION bin(x)
CLS
INPUT "Decimal number";n
PRINT "Binary equivalent";bin(n)
END
FUNCTION bin(x)
WHILE X<>0
R=X MOD 2
S$=VAL(R)+S$
X=X\10
LOOP
D=STR$(S$)
bin=D
END FUNCTION
```

23. SEE Grade Promotion 2078 - 1

```
REM Program to make a word reverse
DECLARE FUNCTION Rev$(N$)
CLS
```

```
INPUT n
B$= result$ (n)
PRINT B$
END
FUNCTION result$(n)
IF n MOD 2=0 THEN
Result$= "odd"
ELSE
Result$= "even"
END IF
END FUNCTION
```

21. SET

```
DECLARE FUNCTION BIN(N)
CLS
INPUT "Enter any number=";N
PRINT "Result="; BIN (N)
END
FUNCTION BIN (A)
BASE=2
WHILE A<>0
R=A MOD BASE
A=A\BASE
B$=STR$(R)+B$
WEND
BIN =VAL(B$)
END FUNCTION
```

22. SOS 2070

```
REM to display the binary equivalent of REM
decimal number
DECLARE FUNCTION bin(x)
CLS
INPUT "Decimal number";n
PRINT "Binary equivalent";bin(n)
END
FUNCTION bin(x)
WHILE x<>0
R=x MOD 2
S$=STR$(R)+S$
X=X\2
WEND
D=VAL(S$)
bin=D
END FUNCTION
```

23. SEE Grade Promotion 2078 - 1

```
REM Program to make a word reverse
DECLARE FUNCTION Rev$(N$)
CLS
```

```
INPUT “Enter a word”: N$
DISPLAY “Reversed is”; Rev$(N$)
END
FUNCTION Rev$(N$)
FOR K=LEN$(N$) to 1 STEP-1
B$=B$+MID$(N$,1,K)
NEXT K
B$=REV$
END FUNCTION
```

24. [SEE 2075]

```
DECLARE FUNCTION reverse$ (N$)
INPUT "Any String"; N$
X$ = reverse$(N$)
PRINT N$
END
FUNCTION reverse (N$)
L = LEN$(N$)
FOR X = L To 1 STEP - 1
A$ = MID$ (N$,X,1)
B$ = B$+A$
NEXT X
B$ = reverse$ (N$)
END FUNCTION
```

25. [SLC 2069]

```
Rem program to reverse the string or word
DECLARE SUB REV(W$)
CLS
INPUT “Enter a word”;W$
CALL REV(W$)
END
SUB REV(W$)
FOR I=LEN(W$) to 1 step -1
C$=LEFT$(W$,I,1)
S$=D$+1
LOOP
PRINT “Reverse string is:”; D$
CLOSE SUB
```

26. [MFT 2076]

```
REM program to display reverse of supplied
string
DECLARE SUB REVE (C$)
CLS
INPUT “Enter the value”; C$
FOLLOW REVE (C$)
END
SUB REVE(C$)
CLS
```

```
INPUT “Enter a word”: N$
PRINT “Reversed is”; Rev$(N$)
END
FUNCTION Rev$(N$)
FOR K=LEN(N$) to 1 STEP-1
B$=B$+MID$(N$,K,1)
NEXT K
REV$=B$
END FUNCTION
```

24. [SEE 2075]

```
DECLARE FUNCTION reverse$ (N$)
INPUT "Any String"; N$
X$ = reverse$(N$)
PRINT X$
END
FUNCTION reverse$ (N$)
L = LEN(N$)
FOR X = L To 1 STEP - 1
A$ = MID$ (N$,X,1)
B$ = B$+A$
NEXT X
reverse$=B$
END FUNCTION
```

25. [SLC 2069]

```
Rem program to reverse the string or word
DECLARE SUB REV(W$)
CLS
INPUT “Enter a word”;W$
CALL REV(W$)
END
SUB REV(W$)
FOR I=LEN(W$) to 1 step -1
C$=MID$(W$,I,1)
S$=S$+C$
NEXT I
PRINT “Reverse string is:”;S$
END SUB
```

26. [MFT 2076]

```
REM program to display reverse of
REM supplied string
DECLARE SUB REVE (C$)
CLS
INPUT “Enter the value”; C$
CALL REVE (C$)
END
SUB REVE(C$)
```

```
FOR J = 1 to LEN(C$)
B$ = MID$(C$, 1, J)
A$=A$+B$
LOOP J
PRINT A$
END SUB
```

27. [PMT 2075]

```
DECLARE FUNCTION REV$ (ST$)
CLS
INPUT “Enter string”, S$
LET R$= REV$(st$)
PRINT "The reverse string is :"; R$
END
FUNCTION REV$(ST$)
FOR I = LEN(ST$) TO 1
RV$= RV$+ MID$(ST$, 1, I)
NEXT I
RV$=REV$
END FUNCTION
```

28. MAAF MT 2079

```
REM to display the reverse of the supplied
string
DECLARE SUB rev (s$)
CLS
INPUT n$
CALL rev$(n$)
END
SUB rev (n$)
FOR k=1 TO LEN(n$).
a$ = MID$(n$, 1, k)
p$ = p$ + n$
NEXT k
PRINT p$
END SUB
```

29. SEDIPS 2078

```
REM to count total number of word existing
REM in a sentence input by a user.
DECLARE FUNCTION wordcount(W$)
CLS
LINE INPUT “Enter a sentence:”; S$
C=Wordcount(W$)
PRINT “Total number of word existing in a
sentence”; C
END
FUNCTION wordcount$(W$)
FOR C=LEN(W$) to 1 STEP-1
FOR J = 1 to LEN(C$)
```

```
B$ = MID$(C$, J,1)
A$=B$+A$
LOOP J
PRINT A$
END SUB
```

27. [PMT 2075]

```
DECLARE FUNCTION REV$ (ST$)
CLS
INPUT “Enter string”, S$
LET R$= REV$(S$)
PRINT "The reverse string is :"; R$
END
FUNCTION REV$(ST$)
FOR I = LEN(ST$) TO 1 STEP -1
RV$= RV$+ MID$(ST$, I,1)
NEXT I
REV$ = RV$
END FUNCTION
```

28. MAAF MT 2079

```
REM to display the reverse of the supplied
REM string
DECLARE SUB rev (s$)
CLS
INPUT n$
CALL rev(n$)
END
SUB rev (n$)
FOR k=LEN(n$) TO 1 STEP -1
a$ = MID$(n$, K,1)
p$ = p$ + a$
NEXT k
PRINT p$
END SUB
```

29. SEDIPS 2078

```
REM to count total number of word existing
REM in a sentence input by a user.
DECLARE FUNCTION wordcount(W$)
CLS
LINE INPUT “Enter a sentence:”; S$
C=Wordcount(W$)
PRINT “Total number of word existing in a
sentence”; C
END
FUNCTION wordcount(W$)
FOR C=LEN(W$) to 1 STEP-1
CH$=MID(S, C, 1)
```

```
IF CH$=SPACE$(1) THEN CNT=CNT+1
NEXT C
CNT=wordcount
END FUNCTION
```

30. SEDIPS 2070

```
DECLARE FUNCTION word1(s$)
REM PROGRAM FOR COUNTING WORDS
s$= computer is an electronic machine
CALL word1(s$)
PRINT word1(s$)
END
FUNCTION word1(s$)
W=1
FOR K= 1 TO LENGTH(s$)
IF MID$(s$,K,1)= " " THEN W=W+1
NEXT K
word1= W
```

31. PABSON PRE BOARD 2078

```
DECLARE FUNCTION PAL$ (W$)
CLS
INPUT "Enter a word"; W$
SHOW PAL$ (W$)
END
FUNCTION PAL$ (W$)
FOR I= LEN (W$) TO 1 STEP1
R$=R$+MID$ (W$, I, 1)
NECT I
IF R$-W$ THEM
P$="Palindrome"
ELSE
P$="Not palindrome"
ENDIF
P$=PAL$
END FUNCTION
```

32. SEE Grade Promotion 2078 – 1

```
REM to display records from existing file.
OPEN "emp.txt" FOR APPEND AS #1
WHILE NOT EOF(#1)
WRITE #1, eN$, post$, salary
PRINT eN$, post$, salary
CLOSE#1
END
```

```
CH$=MID$(W$, C, 1)
IF CH$=SPACE$(1) THEN CNT=CNT+1
NEXT C
wordcount=CNT
END FUNCTION
```

30. SEDIPS 2070

```
DECLARE FUNCTION word1(s$)
REM PROGRAM FOR COUNTING
REMWORDS
s$= "computer is an electronic machine"
PRINT word1(s$)
END
FUNCTION word1(s$)
W=1
FOR K= 1 TO LEN (s$)
IF MID$(s$,K,1)= " " THEN W=W+1
NEXT K
word1= W
END FUNCTION
```

31. PABSON PRE BOARD 2078

```
DECLARE FUNCTION PAL$ (W$)
CLS
INPUT "Enter a word"; W$
CALL PAL$ (W$)
END
FUNCTION PAL$ (W$)
FOR I= LEN (W$) TO 1 STEP -1
R$=R$+MID$ (W$, I, 1)
NECT I
IF R$=W$ THEM
P$="Palindrome"
ELSE
P$="Not palindrome"
END IF
PAL$=P$
END FUNCTION
```

32. SEE Grade Promotion 2078 – 1

```
REM to display records from existing file.
OPEN "emp.txt" FOR INPUT AS #1
WHILE NOT EOF(1)
INPUT #1, eN$, post$, salary
PRINT eN$, post$, salary
WEND
CLOSE#1
END
```

33. [SLC 2067] [JEC 2078]

```
REM to display all the records from
REMsequential data file ABC.DAT
OPEN "ABC.DAT" FOR OUTPUT AS # 1
DO WHILE NOT EOF("ABC.DAT")
INPUT # 1,N$,A
PRINT N$,A
CLOSE 1
END
```

34. [SEE 2075 U]

```
REM program to read data from the data file.
OPEN "STD.DAT" FOR OUTPUT AS #1
CLS
WHILE NOT EOF(#1)
WRITE#1, N$, R, C, P
PRINT N$, R, C, P
WEND
CLOSE "STD.DAT"
END
```

35. [SLC 2068 S]

```
Rem to display the contents of a data file.
OPEN "Marks.dat" FOR OUTPUT AS #1 CLS
WHILE EOF(1) INPUT #1, Name$, Age, Add$
DISPLAY Name$, Age, Add$ WEND CLOSE 1
END
```

36 [SLC 2069]

```
REM display Records of students From Data
File
OPEN "STDREC.DAT" FOR INP AS #1
PRINT
"ROLL","NAME","ADDRESS","CLASS","SEC
TION"
DO WHILE NOT EOF
INPUT #1,RN,N$,AD$,CL,S$
PRINT RN,N$,AD$,CL,S$
NEXT
CLOSE #1
END
```

37. SET

```
REM to print only male record
OPEN "EMP.DAT" FOR OUTPUT AS #1
DO
INPUT #4, N$, A%, S$
```

33. [SLC 2067] [JEC 2078]

```
REM to display all the records from
REMsequential data file ABC.DAT
OPEN "ABC.DAT" FOR INPUT AS # 1
DO WHILE NOT EOF(1)
INPUT # 1,N$,A
PRINT N$,A
LOOP
CLOSE #1
END
```

34. [SEE 2075 U]

```
REM program to read data from the data REM
file.
OPEN "STD.DAT" FOR INPUT AS #1
CLS
WHILE NOT EOF(1)
INPUT #1, N$, R, C, P
PRINT N$, R, C, P
WEND
CLOSE #1
END
```

35. [SLC 2068 S]

```
Rem to display the contents of a data file.
OPEN "Marks.dat" FOR INPUT AS #1
CLS
WHILE NOT EOF(1)
INPUT #1, Name$, Age, Add$
PRINT Name$, Age, Add$
WEND
CLOSE #1
END
```

36 [SLC 2069]

```
REM display Records of students From REM
Data File
OPEN "STDREC.DAT" FOR INPUT AS #1
PRINT"ROLL","NAME","ADDRESS";
PRINT"CLASS";"SECTION"
DO WHILE NOT EOF (1)
INPUT #1, RN, N$, AD$, CL, S$
PRINT RN, N$, AD$, CL, S$
LOOP
END
```

37. SET

```
REM to print only male record
OPEN "EMP.DAT" FOR INPUT AS #1
DO
INPUT #1, N$, A%, S$
SELECT CASE S
```

```
CASE MALE
PRINT N$, A%, S$
END SELECT
LOOP UNTIL EOF(1)
STOP #1
```

38. [SEE 2074 U]

```
Rem To print only class 10 record from
"student.dat" CLS
OPEN "I",#2, "Student.Dat"
WHILE NOT EOF (#2)
WRITE#2, N$,C,R
IF C=10 THEN
DISPLAY N$,C,R
END IF
NEXT
CLOSE #2
END
```

39. PABSON 2078 SET C

```
REM to count total no. of passed student
CLS WHILE NOT EOF( )
OPEN "pab.txt" FOR OUTPUT AS #1
INPUT #2, ID, M1, M2, M3
IF M1>=32, M2.=32, M3.=32 THEN
X=X+1
END IF
WEND
PRINT "TOTAL RECORD"; X
END
```

40. NPABSON 2078

```
REM Program to display all the pass students
records
OPEN "text.txt" FOR OUTPUT AS #5
PRINT "NAME", "CLASS", "RESULT"
DIO WHILE NOT EOF(5)
INPUT N$, C, R$
IF R$="PASS" THEN PRINT #2, N$, C, R$
WEND
CLOSE #1
```

41. [SLC 2066 S]

```
REM To store Name, post and salary
OPEN "EMP.DOC" FOR OUT AS #1
INPUT" Enter name";N
INPUT" Enter post";P$
SELECT CASE S$
```

```
CASE "MALE"
PRINT N$, A%, S$
END SELECT
LOOP UNTIL EOF(1)
END
```

38. [SEE 2074 U]

```
Rem To print only class 10 record from
REM"student.dat"
CLS
OPEN "I",#2, "Student.Dat"
WHILE NOT EOF (2)
INPUT #2, N$,C,R
IF C=10 THEN
PRINT N$,C,R
END IF
WEND
CLOSE #2
END
```

39. PABSON 2078 SET C

```
REM to count total no. of passed student
CLS
OPEN "pab.txt" FOR INPUT AS #1
WHILE NOT EOF(1 )
INPUT #1, ID, M1, M2, M3
IF M1>=32 AND M2=32 AND M3=32 THEN
X=X+1
END IF
WEND
PRINT "TOTAL RECORD"; X
CLOSE #1
END
```

40. NPABSON 2078

```
REM Program to display all the pass students'
REM records
OPEN "text.txt" FOR INPUT AS #5
PRINT "NAME", "CLASS", "RESULT"
DO WHILE NOT EOF (5)
INPUT #5, N$, C, R$
IF R$="PASS" THEN PRINT #5, N$, C, R$
LOOP
CLOSE #5
END
```

41. [SLC 2066 S]

```
REM To store Name, post and salary
OPEN "EMP.DOC" FOR OUTPUT AS #1
```

42. SET

```
REM to store name and age in a sequential data
REM file STD.DOC
OPEN STD.DOC FOR OUT AS#1
INPUT "Enter name";N
INPUT "Enter age";A
WRITE 1,N$,A
CLOSE #1
END
```

43. SET

```
OPEN "EMPLOYEE.DAT" FOR OUTPUT AS
#4
DO
INPUT "Enter employee name:"; N$
INPUT "Enter employees address:"; A$
INPUT "Enter employees age:"; A1
INPUT "Enter gender:"; G$
INPUT "Enter employees salary:";S
WRITE #1,N$,A$,A1,G,S
INPUT "Add more records(Y/N):";A
LOOP WHILE UCASE(A$)="Y"
CLOSE #10
END
```

44. SEE MODEL SET 2

```
REM to create a new file
CLS
OPEN "ABC.DAT" FOR INPUT AS #1
DO
INPUT "Enter Name, Roll No & Total. "; N$, R,
T
INPUT #1, N$, R, T
INPUT "Supply more records Y/N"; C$
LOOP WHILE UCASE(Y$)="Y"
CLOSE #1
END
```

45. SEE MODEL SET 1

```
REM to add record in an existing file
CLS
OPEN "Record.Dat" FOR OUTPUT AS #1
AA:
INPUT "Enter Name, Class and Roll No.";
Nm$, Cl, Rn
INPUT #2, Nm$, Cl, Rn
INPUT "More records"; Y$
IF UCASE$(Y$)="Y" THEN GOTO aa
CLOSE "Record.dat"
END
```

42. SET

```
REM to store name and age in a sequential data
REM file STD.DOC
OPEN "STD.DOC" FOR OUTPUT AS#1
INPUT "Enter name";N$
INPUT "Enter age";A
WRITE #1, N$, A
CLOSE #1
END
```

43. SET

```
OPEN "EMPLOYEE.DAT" FOR OUTPUT AS #4
DO
INPUT "Enter employee name:"; N$
INPUT "Enter employees address:"; A$
INPUT "Enter employees age:"; A1
INPUT "Enter gender:"; G$
INPUT "Enter employees salary:";S
WRITE #4, N$, A$, A1, G$, S
INPUT "Add more records(Y/N):";ANS$
LOOP WHILE UCASE$(ANS$)="Y"
CLOSE #4
END
```

44. SEE MODEL SET 2

```
REM to create a new file
CLS
OPEN "ABC.DAT" FOR OUTPUT AS #1
DO
INPUT "Enter Name, Roll No & Total. "; N$, R,
T
WRITE #1, N$, R, T
INPUT "Supply more records Y/N"; C$
LOOP WHILE UCASE$(C$)="Y"
CLOSE #1
END
```

45. SEE MODEL SET 1

```
REM to add record in an existing file
CLS
OPEN "Record.Dat" FOR APPEND AS #1
AA:
INPUT "Enter Name, Class and Roll No.";
Nm$, Cl, Rn
WRITE #1, Nm$, Cl, Rn
INPUT "More records"; Y$
IF UCASE$(Y$)="Y" THEN GOTO AA
CLOSE #1
END
```

46. NPABSON PRE BOARD 2078

```
REM to add more data in a sequential file.
OPEN “EMP.DAT” FOR INPUT AS #2
DO
INPUT “ENTER NAME”; N$
INPUT “ENTER ADDRESS”; A$
INPUT “ENTER SALARY”; S$
WRITE #1, N$, A$, S
INPUT” Do you want to add more records.”;
M$
LOOP WHILE UCASE(M$) = “Y”
END
```

47. [SLC 2070 S]

```
OPEN "STUDENT.DAT" FOR APPEND AS 1#
INPUT "NAME"; N$
INPUT "ADDRESS"; ADD$
INPUT "AGE"; AGE$
WRITE #1, N$, ADD$, AGE
END# 1
STOP
```

48. NPABSON 2070

```
REM TO ADD RECORDS IN “MARK.DAT”
SEQUENTIAL DATAFILE
OPEN “A”, 2, “STDREC.DAT”
DO
INPUT “ROLL NUMBER, NAME, CLASS”; R,
N$, C
WRITE #1, R, N$, C
INPUT “Want to continue(Y/N)”;H$
LOOP UNTIL UCASE$(H$)<> “Y”
TERMINATE #1
END
```

49. COPY

```
REM COPY THE DATA OF “SRC.INF” TO
REM“DEST.INF”
OPEN “SRC.INF” FOR INPUT AS #1
OPEN “DEST.INF” FOR OUTPUT AS #2
CLS
WHILE NOT EOF( )
INPUT #2, NM$, RN, AGE
WRITE #1, NM$, RN, AGE
CLOSE #1, #2
END
```

46. NPABSON PRE BOARD 2078

```
REM to add more data in a sequential file.
OPEN “EMP.DAT” FOR APPEND AS #2
DO
INPUT “ENTER NAME”; N$
INPUT “ENTER ADDRESS”; A$
INPUT “ENTER SALARY”; S
WRITE #2, N$, A$, S
INPUT” Do you want to add more records.”;
M$
LOOP WHILE UCASE$(M$) = “Y”
END
```

47. [SLC 2070 S]

```
OPEN "STUDENT.DAT" FOR APPEND AS #1
INPUT "NAME"; N$
INPUT "ADDRESS"; ADD$
INPUT "AGE"; AGE
WRITE #1, N$, ADD$, AGE
CLOSE # 1
END
```

48. NPABSON 2070

```
REM TO ADD RECORDS IN “MARK.DAT”
REM SEQUENTIAL DATAFILE
OPEN “A”, 2, “MARK.DAT”
DO
INPUT “ROLL NUMBER, NAME, CLASS”; R,
N$, C
WRITE #1, R, N$, C
INPUT “Want to continue(Y/N)”;H$
LOOP UNTIL UCASE$(H$)= “Y”
CLOSE #1
END
```

49. COPY

```
REM COPY THE DATA OF “SRC.INF” TO
REM“DEST.INF”
OPEN “SRC.INF” FOR INPUT AS #1
OPEN “DEST.INF” FOR OUTPUT AS #2
CLS
WHILE NOT EOF(1 )
INPUT #1, NM$, RN, AGE
WRITE #2, NM$, RN, AGE
WEND
CLOSE #1, #2
END
```