**Q.1.**

Open "Detail.dat" For Input As #1

Open "Temp.dat" For Output As #2

Input "Enter name of the students "; **Sn$**

For I = 1 To 10

Input #1, Nm$, Cl, A

If Sn$ <> Nm$ Then

Write #2, Nm$, Cl, A

End If

Next I

Close #1, #2

Kill "Detail.dat"

Name "Temp.dat" As "Detail.dat"

End

**Questions**

1. What is the main objective of the above program?

**=>** The main objective of the above program is to delete the record of student entered by the user.

2. Do we get any problem in the above program if we remove “**KILL**” statement in the above program?

**=>** Yes, if we delete KILL statement then it will not delete the original file that means it’ll led duplication or confusion of file.

**Q.2.**

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

**Questions**

1. What is the function of INT?

**=>** The function of INT in the given program is to return the integer part of a division operation.

2. How many does while … Wend loop repeat if the value of N is 123?

=> Loop will run for 3 times.

**Q.3.**

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

**Questions**

1. List all the numeric variables used in the above program.

=>**A,B,P** are the numeric variables used in the above program.

2. List all the local variables in the above program.

=> **P** is the local variable in the above program.

**Q.4.**

DECLARE FUNCTION TEST (X)

X = 100

Z = TEST(X)

Print Z

End

Function TEST (X)

For R = 1 To X

S = S + 1

Next R

TEST = S

End Function

**Questions**

1. How many parameters are used in the above program?

=> 1 parameter is used in the above program.

2. How many times does the statement s=s+1 execute in the above program?

=> S = S + 1 executes for 100 times.

**Q.5.**

DECLARE FUNCTION ODDEVEN$ (N)

CLS

Input "Enter a number"; N

Print "Number is "; ODDEVEN$(N)

End

Function ODDEVEN$ (N)

If N Mod 2 = 0 Then

MS$ = "even"

Else

MS$ = "odd"

End If

ODDEVEN$ = MS$

End Function

**Questions**

1. What is the main objective of the above program?

=> The main objective of the above program is to determine whether a number given by the user is odd or even.

2. What is the use of MOD in the above program?

=>The use of **MOD** in the above program is to find out the reminder of any number.

**Q. 6.**

**DECLARE SUB question(a, b, c) => formal parameters**

CLS

X=10;y=20;z=15

**CALL question(x, y, z)=> actual parameters**

END

SUB question(a, b, c)

a=a+10

b=b+a

c=a+b

PRINT a, b, c

END SUB

**Questions**

1. What would be it’s output if x=1, y=2, z=3?

=>The output of above program will be 11, 13, 24.

2. Write actual and formal parameters used in the program?

=>Formal parameters = a,b,c

Actual parameters = x, y, z

**Q.7.**

DECLARE FUNCTION text$(N$)

Cls

Input "Enter any string"; X$

Print text$(X$)

End

Function text$ (N$)

For i = Len(N$) To 1 Step -1

W$ = W$ + Mid$(N$, i, 1)

Next i

text$ = W$

End Function

**Questions**

1. What is the main objective of above program?

=> The main objective of above program is to find out reverse of any string given by the user.

2. List all the parameters used in above program.

=>formal parameter = N$

Actual parameter = X$

**Q. 8.**

DECLARE FUNCTION TEST (A)

X = 10

Z = TEST(X)

Print Z

End

Function TEST (B)

For I = 1 To B

**S = S + 1 \* 1**

Next I

TEST = S

End Function

**Questions**

1. How many parameters are used in the above program?

=> 1 parameter is used in the above program

2. How many times does the statement S=S+I\*I will be executed in the above program?

=> S=S+I\*I will runs for 10 times.

**Q.9.**

DECLARE FUNCTION TEST (X)

Cls

Y = 100

Z = TEST(Y)

Print Z

End

Function TEST (A)

For I = 1 To A

S = S + I

Next I

TEST = S

End Function

**Questions**

1. List the different parameter used in the above program with their types.

=>formal parameters = X, actual parameter = Y

2. List the different operators used in the above program with their types.

=>Relational operator: **=**

Arithmetic operator = **+**

**Q.10.**

DECLARE FUNCTION Rev$(A$)

CLS

INPUT “Enter a String”;A$

X$=Rev$(A$)

PRINT X$

END

FUNCTION Rev$(A$)

FOR i= LEN(A$) TO 1 STEP-1

B$= B$+**MID$**(A$,I,1)

NEXT i

Rev$=**B$**

END FUNCTION

Questions

1. Write the string handling functions used in the above program.

=> LEN, **MID$ are the string handling functions in the above program.**

2. How many times the loop will execute if A$= “**SUBSCRIBE**”?

=> The loop will execute for 9 times.