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**Task-1.1 Visual Basic**

Sub Main()

Dim MemberId As Integer

Dim MName As String

Dim otherRecs As Char

otherRecs = "Y"

FileOpen(1, "F:\Practice\MemberDATA.txt", OpenMode.Output)

Do

Console.Write("Enter MemberId :")

MemberId = Console.ReadLine

Console.Write("Enter MName :")

MName = Console.ReadLine

WriteLine(1, MemberId)

WriteLine(1, MName)

Console.Write("Are there any more records Y/N: ")

otherRecs = Console.ReadLine

Loop Until otherRecs = N OR otherRecs = n

FileClose(1)

Console.ReadKey()

End Sub

**Task 1.1 Pseudocode**

DECLARE MemberID : INTEGER

DECLARE MNAME : STRING

DECLARE otherRecs : BOOLEAN

MemberID = 0

Name = ""

more = FALSE

OPENFILE "MemberDATA.txt" FOR OUTPUT

REPEAT

OUTPUT "Enter Member ID: "

INPUT MemberID

OUTPUT "Enter Member Name: "

INPUT MName

WRITEFILE "MemberDATA.txt", MemberID

WRITEFILE "MemberDATA.txt", MName

OUTPUT " Are there any more records? (Y/N)"

INPUT otherRecs

UNTIL otherRecs = 'N' OR otherRecs = 'n'

CLOSEFILE "MemberDATA.txt"

**Task-1.2: VB**

Sub Main()

Dim MemberID As Integer

Dim MName As String

FileOpen(1, " F:\Practice\MemberDATA.txt ", OpenMode.Input)

While Not EOF(1)

Input(1, MemberID)

Input(1, MName)

Console.WriteLine("Member ID :" & MemberID)

Console.WriteLine("Member Name :" & MName)

End While

End Sub

**Task 1.2 Pseudocode**

DECLARE MemberID : INTEGER

DECLARE MName : STRING

OPENFILE "MemberDATA.txt" FOR INPUT

WHILE NOT EOF("MemberDATA.txt")

READFILE "MemberDATA.txt", MemberID

READFILE "MemberDATA.txt", MName

OUTPUT "Member ID: ", MemberID

OUTPUT "Member name: ", MName

ENDWHILE

CLOSEFILE "MemberDATA.txt"

**Task-1.3: VB**

Sub Main()

Dim MemberID AS Integer

Dim sMemberID As Integer

Dim MName As String

Dim isFound As Boolean

isFound = “N”

Console.Write("Enter Membership Number to start search:")

sMemberID = Console.ReadLine

FileOpen(1, " F:\Practice\MemberDATA.txt ", OpenMode.Input)

While Not EOF(1) And isFound = “N”

Input(1, MemberID)

Input(1, MName)

If MemberID = sMemberID Then

isFound = “Y”

Console.WriteLine("Member ID :" & MemberID)

Console.WriteLine("Member name :" & MName)

End If

End While

FileClose(1)

If isFound = “N” Then Console.WriteLine("No Existing Record")

Console.ReadKey()

End Sub

**Task 1.3 Pseudocode**

DECLARE MemberID : INTEGER

DECLARE MName : STRING

DECLARE isFound : BOOLEAN

DECLARE sMemberID : INTEGER

isFound = FALSE

INPUT "Enter Membership Number to start search:", sMemberID

OPENFILE "MemberDATA.txt" FOR INPUT

WHILE NOT EOF("MemberDATA.txt") AND isFound=FALSE

READFILE "MemberDATA.txt", MemberID

READFILE "MemberDATA.txt", MName

IF MemberID = sMemberID

THEN

isFound = TRUE

OUTPUT "Membership Number: ", MemberID

OUTPUT "Member name: ", MName

ENDIF

ENDWHILE

CLOSEFILE "MemberDATA.txt"

IF isFound = FALSE THEN OUTPUT "No existing record.."

**Task-1.4: VB**

Sub Main()

Dim MemberId As Integer

Dim MName As String

Dim otherRecs As Char

otherRecs = "Y"

FileOpen(1, " F:\Practice\MemberDATA.txt ", OpenMode.Append)

Do

Console.Write("Enter MemberId :")

MemberId = Console.ReadLine

Console.Write("Enter Member Name :")

MName = Console.ReadLine

WriteLine(1, MemberId)

WriteLine(1, MName)

Console.Write("Are there any more records? Y/N: ")

otherRecs = Console.ReadLine

Loop Until otherRecs = “N” OR otherRecs = “n”

FileClose(1)

Console.ReadKey()

End Sub

**Task 1.4 Pseudocode**

DECLARE MemberID : INTEGER

DECLARE MName : STRING

DECLARE otherRecs : BOOLEAN

MemberID = 0

MName = ""

otherRecs = FALSE

OPENFILE "MemberDATA.txt" FOR APPEND

REPEAT

OUTPUT "Enter Member ID: "

INPUT MemberID

OUTPUT "Enter Member Name: "

INPUT MName

WRITEFILE "MemberDATA.txt", MemberID

WRITEFILE "MemberDATA.txt", MName

OUTPUT "Are there any more records?.. (Y/N)"

INPUT otherRecs

UNTIL otherRecs = 'N' OR otherRecs = 'n'

CLOSEFILE "MemberDATA.txt"

**Task 1.5: VB**

Sub Main()

Dim MemberID As Integer

Dim MName As String

DIM TNumber As String

Dim MDate As Date

FileOpen(1, " F:\Practice\MemberDATA.txt ", OpenMode.Input)

FileOpen(2, " F:\Practice\NMemberDATA.txt", OpenMode.Output)

While Not EOF(1)

Input(1, MemberID)

Input(1, MName)

Console.WriteLine("Member ID: " & MemberID)

Console.WriteLine("Member Name: " & MName)

Console.Write("Enter Phone Number: ")

TNumber = Console.ReadLine

Do Until Len(TNumber) = 11

If Len(TNumber) <> 11 Then

Console.Write("Incorrect Number Length, Please Re-Enter: ")

TNumber = Console.ReadLine

End If

Loop

Console.Write("Date of start of Membership: ")

MDate = Console.ReadLine

WriteLine(2, MemberID)

WriteLine(2, MName)

WriteLine(2, TNumber)

WriteLine(2, MDate)

End While

FileClose(1)

FileClose(2)

Console.ReadKey()

End Sub

**Task 1.5 Pseudocode**

DECLARE MemberID : INTEGER

DECLARE MName : STRING

DECLARE TNumber : STRING

DECLARE MDate : DATE

OPENFILE "MemberDATA.txt" FOR INPUT

OPENFILE "NMemberDATA.txt" FOR OUTPUT

WHILE NOT EOF("MemberDATA.txt")

READFILE "MemberDATA.txt", MemberID

READFILE "MemberDATA.txt", MName

READFILE "MemberDATA.txt", TNumber

WRITEFILE "NMemberDATA.txt", MemberID

WRITEFILE "NMemberDATA.txt", MName

WRITEFILE "NMemberDATA.txt", TNumber

ENDWHILE

CLOSEFILE "MemberDATA.txt"

CLOSEFILE "NMemberDATA.txt"