

Filing Assignment

Monthly Test

➤ Task 1.1:

i. Visual Basic:

```
Dim MemberNumber, MemberID As Integer
    Dim mName As String
    Dim MoreRecs As Boolean

    MoreRecs = True

    FileOpen(1, "c:\filePractice\mRec.txt", OpenMode.Output)

    While MoreRecs = True
        Console.Write("Enter Member Number: ")
        MemberNumber = Console.ReadLine
        Console.Write("Enter Name: ")
        mName = Console.ReadLine
        Console.Write("Enter Member ID: ")
        MemberID = Console.ReadLine

        WriteLine(1, MemberNumber)
        WriteLine(1, mName)
        WriteLine(1, MemberID)

        Console.Write("Do you want to add more records? True/False: ")
        MoreRecs = Console.ReadLine
    End While

    FileClose(1)
    Console.ReadKey()
```

ii. Pseudocode:

```
DECLARE MemberNumber, MemberID : INTEGER
DECLARE mName : STRING
DECARE MoreRecs : BOOLEAN

MoreRecs ← TRUE

OPENFILE "mRec.txt" FOR OUTPUT

WHILE MoreRecs = TRUE
    OUTPUT "Enter Member Number: ", MemberNumber
    OUTPUT "Enter Name: ", mName
    OUTPUT "Enter Member ID: ", MemberID

    WRITEFILE "mRec.txt", MemberNumber
    WRITEFILE "mRec.txt", mName
    WRITEFILE "mRec.txt", MemberID
```

```
    OUTPUT "Do you want to add more records? True/False: ", MoreRecs
END WHILE
```

```
CLOSEFILE "mRec.txt"
```

➤ Task 1.2:

i. Visual Basic:

```
Dim MemberNumber, MemberID As Integer
Dim mName As String

mName = ""

FileOpen(1, "c:\filePractice\mRec.txt", OpenMode.Input)

While Not EOF(1)
    Input(1, MemberNumber)
    Input(1, mName)
    Input(1, MemberID)

    Console.WriteLine("Member Number: " & MemberNumber)
    Console.WriteLine("Member Name: " & mName)
    Console.WriteLine("Member ID: " & MemberID)
    Console.WriteLine()
End While

FileClose(1)
Console.ReadKey()
```

ii. Pseudocode:

```
DECLARE MemberNumber, MemberID : INTEGER
DECLARE mName : STRING

mName ← ""

OPENFILE "mRec.txt" FOR INPUT

WHILE NOT EOF("mRec.txt")
    READFILE "mRec.txt", MemberNumber
    READFILE "mRec.txt", mName
    READFILE "mRec.txt", MemberID

    OUTPUT "Member Number: " + MemberNumber
    OUTPUT "Member Name: " + mName
    OUTPUT "Member ID: " + MemberID
    OUTPUT " "
END WHILE

CLOSEFILE "mRec.txt"
```

➤ Task 1.3:

i. Visual Basic:

```
Dim MemberNumber, MemberID As Integer
Dim mName, searchMemberName As String
Dim isFound As Boolean

mName = ""
isFound = False

Console.WriteLine("Enter member name to search for: ")
searchMemberName = Console.ReadLine
searchMemberName = LCase(searchMemberName)

FileOpen(1, "c:\filePractice\mRec.txt", OpenMode.Input)

While Not EOF(1) And isFound = False
    Input(1, MemberNumber)
    Input(1, mName)
    Input(1, MemberID)

    If LCase(mName) = searchMemberName Then
        isFound = True

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

    End If
End While
FileClose(1)

If isFound = False Then Console.WriteLine("Record Not Found")
Console.ReadKey()
```

ii. Pseudocode:

```
DECLARE MemberNumber, MemberID : INTEGER
DECLARE mName, searchMemberName : STRING
DECLARE isFound : BOOLEAN

mName ← ""
isFound ← FALSE

OUTPUT "Enter member name to search for: ", searchMemberName
searchMemberName ← LOWER(searchMemberName)

OPENFILE "mRec.txt" FOR INPUT

WHILE NOT EOF("mRec.txt")
    READFILE "mRec.txt", MemberNumber
    READFILE "mRec.txt", mName
    READFILE "mRec.txt", MemberID

    IF LOWER(mName) = searchMemberName THEN
```

```

isFound ← TRUE

    OUTPUT "Member ID: " + Member ID
END IF
END WHILE

CLOSEFILE "mRec.txt"

IF isFound = FALSE THEN
    OUTPUT "Record Not Found"
END IF

CLOSEFILE "mRec.txt"

```

➤ Task 1.4:

i. Visual Basic:

```

Dim MemberNumber, MemberID As Integer
Dim mName As String
Dim MoreRecs As Boolean

MoreRecs = True

FileOpen(1, "c:\filePractice\mRec.txt", OpenMode.Append)

While MoreRecs = True
    Console.Write("Enter Member Number: ")
    MemberNumber = Console.ReadLine
    Console.Write("Enter Name: ")
    mName = Console.ReadLine
    Console.Write("Enter Member ID: ")
    MemberID = Console.ReadLine

    WriteLine(1, MemberNumber)
    WriteLine(1, mName)
    WriteLine(1, MemberID)

    Console.Write("Do you want to add more records? True/False: ")
    MoreRecs = Console.ReadLine
End While

FileClose(1)
Console.ReadKey()

```

ii. Pseudocode:

```

DECLARE MemberNumber, MemberID : INTEGER
DECLARE mName : STRING
DECARE MoreRecs : BOOLEAN

MoreRecs ← TRUE

OPENFILE "mRec.txt" FOR APPEND

```

```

WHILE MoreRecs = TRUE
    OUTPUT "Enter Member Number: ", MemberNumber
    OUTPUT "Enter Name: ", mName
    OUTPUT "Enter Member ID: ", MemberID

    WRITEFILE "mRec.txt", MemberNumber
    WRITEFILE "mRec.txt", mName
    WRITEFILE "mRec.txt", MemberID

    OUTPUT "Do you want to add more records? True/False: ", MoreRecs
END WHILE

CLOSEFILE "mRec.txt"

```

➤ Task 1.5:

i. Visual Basic:

```

Dim MemberNumber, MemberID As Integer
Dim mName, TelNum, MStartDate As String

MemberID = 0
MemberNumber = 0
mName = ""
MStartDate = ""
TelNum = ""

FileOpen(1, "c:\filePractice\mRec.txt", OpenMode.Input)
FileOpen(2, "c:\filePractice\mRec2.txt", OpenMode.Output)
While Not EOF(1)
    Input(1, MemberNumber)
    Input(1, mName)
    Input(1, MemberID)

    Console.WriteLine("Enter Member Number: " & MemberNumber)
    Console.WriteLine("Enter Member Name: " & mName)
    Console.WriteLine("Enter Member ID: " & MemberID)

    Console.Write("Enter Membership Start Date: ")
    MStartDate = Console.ReadLine
    Console.Write("Enter Telephone Number: ")
    TelNum = Console.ReadLine

    WriteLine(2, MemberNumber)
    WriteLine(2, mName)
    WriteLine(2, MemberID)
    WriteLine(2, MStartDate)
    WriteLine(2, TelNum)
End While

FileClose(1)
FileClose(2)
Console.ReadKey()

```

ii. Pseudocode:

```
DECLARE MemberNumber, MemberID : INTEGER  
DECLARE mName, TelNum, MStartDate : STRING
```

```
MemberID ← 0  
MemberNumber ← 0  
mName ← 0  
MStartDate ← ""  
TelNum ← ""
```

```
OPENFILE "mRec.txt" FOR INPUT  
OPENFILE "mRec2.txt" FOR OUTPUT
```

```
WHILE NOT EOF("mRec.txt")  
    READFILE "mRec.txt", MemberNumber  
    READFILE "mRec.txt", mName  
    READFILE "mRec.txt", MemberID
```

```
    OUTPUT "Member Number: " + MemberNumber  
    OUTPUT "Member Name: " + mName  
    OUTPUT "Member ID: " + MemberID
```

```
    OUTPUT "Enter Membership Start Date: ", MStartDate  
    OUTPUT "Enter Telephone Number: ", TelNum
```

```
    WRITEFILE "mRec.txt", MemberNumber  
    WRITEFILE "mRec.txt", mName  
    WRITEFILE "mRec.txt", MemberID  
    WRITEFILE "mRec.txt", MStartDate  
    WRITEFILE "mRec.txt", TelNum  
END WHILE
```

```
CLOSEFILE "mRec.txt"  
CLOSEFILE "mRec2.txt"
```