

Notepad Code:

```

DECLARE rollNo : INTEGER
DECLARE sName : STRING
DECLARE sConatct : STRING
DECLARE sFee : CURRENCY
DECLARE isFeePaid : BOOLEAN

INPUT "Enter roll number: ", rollNo
INPUT "Enter student name: ", sName
INPUT "Enter student contact: ", sContact
INPUT "Enter fee amount: ", sFee
INPUT "Is fee paid? ", isFeePaid

OPENFILE "sRec.txt" FOR APPEND

WRITEFILE "sRec.txt", rollNo
WRITEFILE "sRec.txt", sName
WRITEFILE "sRec.txt", sContact
WRITEFILE "sRec.txt", sFee
WRITEFILE "sRec.txt", isFeePaid

CLOSEFILE "sRec.txt"

```

Visual Basic Code:

```

Dim rollNo As Integer
Dim sName, sContact As String
Dim sFee As Decimal
Dim isFeePaid As Boolean

Console.WriteLine("Enter roll number: ")
rollNo = Console.ReadLine

Console.WriteLine("Enter student name: ")
sName = Console.ReadLine

Console.WriteLine("Enter student contact: ")
sContact = Console.ReadLine

Console.WriteLine("Enter fee amount: ")
sFee = Console.ReadLine

Console.WriteLine("Is fee paid? ")
isFeePaid = Console.ReadLine

FileOpen(1, "d:\filePractice\sRec.txt", OpenMode.Append)

Writeline(1, rollNo)
Writeline(1, sName)
Writeline(1, sContact)
Writeline(1, sFee)
Writeline(1, isFeePaid)

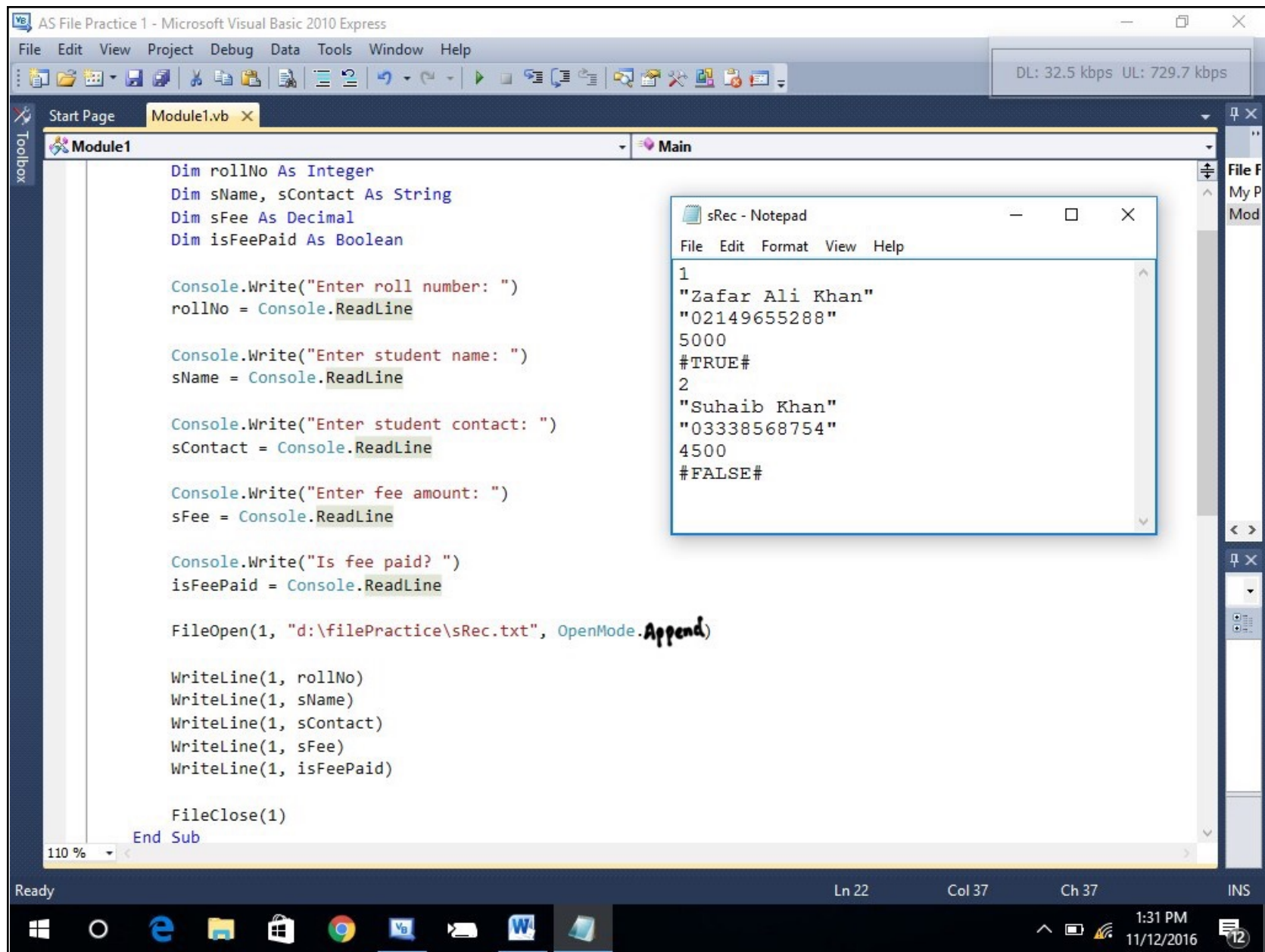
FileClose(1)

```

Handwritten Annotations:

- ①: Points to the variable declarations in both windows.
- ②: Points to the input statements in both windows.
- ③: Points to the file opening statement in both windows.
- ④: Points to the file writing statements in both windows.
- ⑤: Points to the file closing statement in both windows.

Watermark: Visual Basic .net



The image shows a side-by-side comparison of a text file and its Visual Basic implementation. The Notepad window on the left contains a VBA script for file operations, while the Visual Basic IDE on the right shows the same logic in a structured programming format. Handwritten red circles and numbers (1-7) connect corresponding lines between the two windows.

Notepad Window (Left):

```

Steps for INPUT from File & OUTPUT to Display (Console).

DECLARE rollNo : INTEGER
DECLARE sName : STRING
DECLARE sContact : STRING
DECLARE sFee : CURRENCY
DECLARE isFeePaid : BOOLEAN

OPENFILE "sRec.txt" FOR INPUT

READFILE "sRec.txt", rollNo
READFILE "sRec.txt", sName
READFILE "sRec.txt", sContact
READFILE "sRec.txt", sFee
READFILE "sRec.txt", isFeePaid

OUTPUT "Roll number: ", rollNo
OUTPUT "Student name: ", sName
OUTPUT "Student contact: ", sContact
OUTPUT "Fee amount: ", sFee
OUTPUT "Is fee paid? ", isFeePaid

CLOSEFILE "sRec.txt"
  
```

Visual Basic IDE Window (Right):

```

Module1
Main

Main()

Dim rollNo As Integer
Dim sName, sContact As String
Dim sFee As Decimal
Dim isFeePaid As Boolean

FileOpen(1, "d:\filePractice\sRec.txt", OpenMode.Input)

Input(1, rollNo)
Input(1, sName)
Input(1, sContact)
Input(1, sFee)
Input(1, isFeePaid)

Console.WriteLine("roll number: " & rollNo)
Console.WriteLine("student name: " & sName)
Console.WriteLine("student contact: " & sContact)
Console.WriteLine("fee amount: " & sFee)
Console.WriteLine("Is fee paid? " & isFeePaid)

FileClose(1)

Console.ReadKey()
  
```

Handwritten Annotations:

- ①: Declares variables in Notepad; `Dim` statements in VB.
- ③: `OPENFILE "sRec.txt" FOR INPUT` in Notepad; `FileOpen(1, "d:\filePractice\sRec.txt", OpenMode.Input)` in VB.
- ⑥: `READFILE "sRec.txt", [variable]` in Notepad; `Input(1, [variable])` in VB.
- ⑦: `OUTPUT [label], [variable]` in Notepad; `Console.WriteLine([label] & [variable])` in VB.
- ④: `CLOSEFILE "sRec.txt"` in Notepad; `FileClose(1)` in VB.

USE OF EOF()
Function in precondition while loop. This is done to read complete records until the End of File!

```

DECLARE rollNo : INTEGER
DECLARE sName : STRING
DECLARE sConatct : STRING
DECLARE sFee : CURRENCY
DECLARE isFeePaid : BOOLEAN

OPENFILE "sRec.txt" FOR INPUT

WHILE NOT EOF("sRec.txt")
    READFILE "sRec.txt", rollNo
    READFILE "sRec.txt", sName
    READFILE "sRec.txt", sContact
    READFILE "sRec.txt", sFee
    READFILE "sRec.txt", isFeePaid

    OUTPUT "Roll number: ", rollNo
    OUTPUT "Student name: ", sName
    OUTPUT "Student contact: ", sContact
    OUTPUT "Fee amount: ", sFee
    OUTPUT "Is fee paid? ", isFeePaid
ENDWHILE

CLOSEFILE "sRec.txt"
  
```

AS File Practice 2 - Microsoft Visual Basic 2010 Express

```

Module1
Main

Main()

Dim rollNo As Integer
Dim sName, sContact As String
Dim sFee As Decimal
Dim isFeePaid As Boolean

FileOpen(1, "d:\filePractice\sRec.txt", OpenMode.Input)

While Not EOF(1)
    Input(1, rollNo)
    Input(1, sName)
    Input(1, sContact)
    Input(1, sFee)
    Input(1, isFeePaid)

    Console.WriteLine("Enter roll number: " & rollNo)
    Console.WriteLine("Enter student name: " & sName)
    Console.WriteLine("Enter student contact: " & sContact)
    Console.WriteLine("Enter fee amount: " & sFee)
    Console.WriteLine("Is fee paid? " & isFeePaid)
End While

FileClose(1)

Console.ReadKey()
Sub
  
```

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AS Filing practice 2 - Notepad

File Edit Format View Help

Steps for INPUT from File & OUTPUT to Display (Console).

Use of Repeat...Until post condition loop for EOF() function.

```

DECLARE rollNo : INTEGER
DECLARE sName : STRING
DECLARE sConatct : STRING
DECLARE sFee : CURRENCY
DECLARE isFeePaid : BOOLEAN

OPENFILE "sRec.txt" FOR INPUT

REPEAT
    READFILE "sRec.txt", rollNo
    READFILE "sRec.txt", sName
    READFILE "sRec.txt", sContact
    READFILE "sRec.txt", sFee
    READFILE "sRec.txt", isFeePaid

    OUTPUT "Roll number: ", rollNo
    OUTPUT "Student name: ", sName
    OUTPUT "Student contact: ", sContact
    OUTPUT "Fee amount: ", sFee
    OUTPUT "Is fee paid? ", isFeePaid
UNTIL EOF("sRec.txt") = TRUE
CLOSEFILE "sRec.txt"
  
```

AS File Practice 2 - Microsoft Visual Basic 2010 Express

File Edit View Project Debug Data Tools Window Help

Start Page Module1.vb

Module1

Main

```

Main()

Dim rollNo As Integer
Dim sName, sContact As String
Dim sFee As Decimal
Dim isFeePaid As Boolean

FileOpen(1, "d:\filePractice\sRec.txt", OpenMode.Input)

Do
    Input(1, rollNo)
    Input(1, sName)
    Input(1, sContact)
    Input(1, sFee)
    Input(1, isFeePaid)

    Console.WriteLine("Enter roll number: " & rollNo)
    Console.WriteLine("Enter student name: " & sName)
    Console.WriteLine("Enter student contact: " & sContact)
    Console.WriteLine("Enter fee amount: " & sFee)
    Console.WriteLine("Is fee paid? " & isFeePaid)

    Loop Until EOF(1) = True
FileClose(1)

Console.ReadKey()
Sub
  
```

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AS Filing practice 2 - Notepad

File Edit Format View Help

Steps for INPUT from File & OUTPUT to Display (Console).

Result 7 EOF().

```

DECLARE rollNo
DECLARE sName :
DECLARE sConatc
DECLARE sFee :
DECLARE isFeePa

OPENFILE "sRec.

REPEAT
  READFILE "sRe
  READFILE "sRe
  READFILE "sRe
  READFILE "sRe
  READFILE "sRe

  OUTPUT "Roll
  OUTPUT "Stude
  OUTPUT "Stude
  OUTPUT "Fee a
  OUTPUT "Is fe

UNTIL EOF("sRec

CLOSEFILE "sRec
  
```

AS File Practice 2 (Running) - Microsoft Visual Basic 2010 Express

File Edit View Project Debug Data Tools Window Help

Module1.vb

Module1

Main

Main()

file:///C:/Users/ZAK/documents/visual studio 2010/Projects/AS File Practice 2/AS File Practice 2/bin/Debug/AS File Practice 2.EXE

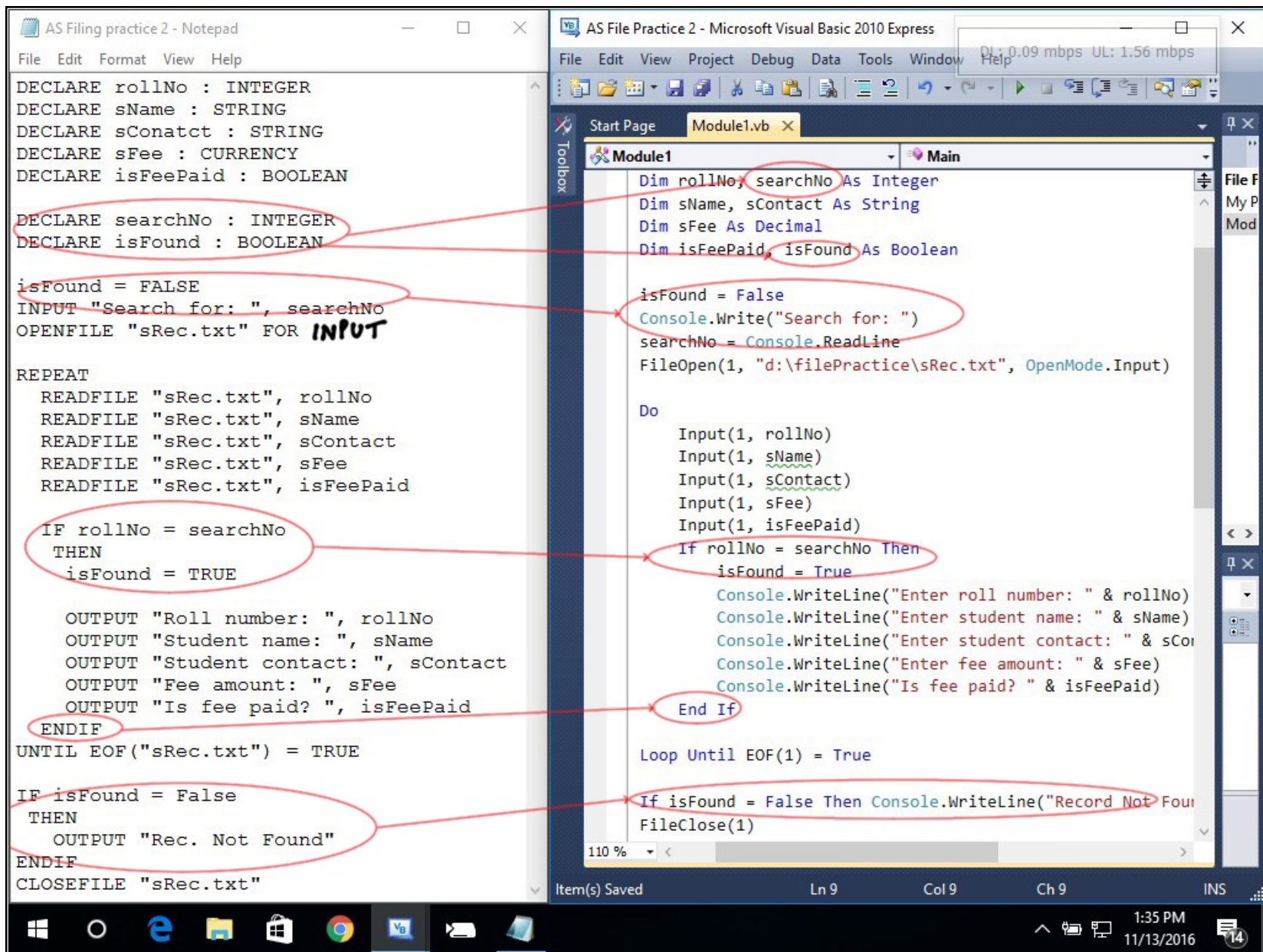
```

Enter roll number: 1
Enter student name: Zafar Ali Khan
Enter student contact: 0569876
Enter fee amount: 8500
Is fee paid? False
Enter roll number: 2
Enter student name: Tayyab
Enter student contact: 0569876
Enter fee amount: 8500
Is fee paid? True
Enter roll number: 3
Enter student name: Ahmed raza
Enter student contact: 0569876
Enter fee amount: 8500
Is fee paid? True

Roll
Stude
Stude
Fee a
Is fe
  
```

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```
AS Filing practice 2 - Notepad
File Edit Format View Help
DECLARE rollNo : INTEGER
DECLARE sName : STRING
DECLARE sConatct : STRING
DECLARE sFee : CURRENCY
DECLARE isFeePaid : BOOLEAN

DEC
DEC
Search for: 2
Enter roll number: 2
Enter student name: Tayyab
Enter student contact: 0569876
Enter fee amount: 8500
Is fee paid? True
REP
R
R
R
R
R
R
I
E
UNT
IF
TH
OUTPUT "Rec. Not Found"
ENDIF
CLOSEFILE "sRec.txt"
```

```
AS File Practice 2 (Running) - Microsoft Visual Basic 2010 Express
File Edit View Project Debug Data Tools Window Help
Module1.vb
Module1
Main
Dim rollNo, searchNo As Integer
```

file:///C:/Users/ZAK/documents/visual studio 2010/Projects/AS File Practice 2/AS File Practice 2/bin/Debug/AS File Practice 2.EXE

Autos Locals Watch

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