Find Maximum and Minimum from an Array

Module MaxMin

Sub Main()

Dim n, i, min, max As Integer

Console.Write("Enter the number of Elements: ")

n = CInt(Console.ReadLine())

Dim arr(n) As Integer

For i = 0 To n - 1

Console.Write("Enter the " & (i + 1).ToString & "th element: ")

arr(i) = CInt(Console.ReadLine())

Next

Console.WriteLine("Array Contains...")

For i = 0 To n - 1

Console.Write(arr(i) & " ")

Next

min = arr(0)

max = arr(0)

For i = 0 To n - 1

If arr(i) < min Then

min = arr(i)

End If

Next

For i = 0 To n - 1

If arr(i) > max Then

max = arr(i)

End If

Next

Console.WriteLine()

Console.WriteLine("Minimum=" & min)

Console.WriteLine("Maximum=" & max)

Console.ReadLine()

End Sub

End Module

Swapping two numbers

dim a,b,te as integer

System.console.writeline("Enter The Two Number:")

a=System.Console.ReadLine()

b=System.console.ReadLine()

System.console.WriteLine("The Two Number is:{0} And

{1}:",a,b)

te=a

a=b

b=te

System.console.WriteLine("After Swapping Value is:{0} and

{1}:",a,b)

System.console.ReadLine()

Matrix multiplication

Module Module1

Sub Main()

Dim matrix1 As Integer(,), matrix2 As Integer(,)

Dim row1 As Integer, col1 As Integer, row2 As Integer, col2 As Integer, i As Integer, j AsInteger, \_

k As Integer, temp As Integer = 0

Console.WriteLine("Please insert no. of rows in matrix\_1 :: ")

row1 = Integer.Parse(Console.ReadLine())

Console.WriteLine("Please insert no. of columns in matrix\_1 :: ")

col1 = Integer.Parse(Console.ReadLine())

matrix1 = New Integer(row1 - 1, col1 - 1) {}

Console.WriteLine("Please insert no. of rows in matrix\_2 :: ")

row2 = Integer.Parse(Console.ReadLine())

Console.WriteLine("Please insert no. of columns in matrix\_2 :: ")

col2 = Integer.Parse(Console.ReadLine())

matrix2 = New Integer(row2 - 1, col2 - 1) {}

If col1 <> row2 Then

Console.WriteLine("Multiplication is not applicable!!!")

Console.WriteLine("Note : Number of columns of matrix\_1 must be equal to Number of rows of matrix\_2.")

Else

Console.WriteLine("Please Input the values for matrix\_1")

For i = 0 To row1 - 1

For j = 0 To col1 - 1

matrix1(i, j) = Integer.Parse(Console.ReadLine())

Next

Next

Console.WriteLine("Please Input the values for matrix\_2")

For i = 0 To row2 - 1

For j = 0 To col2 - 1

matrix2(i, j) = Integer.Parse(Console.ReadLine())

Next

Next

Console.Clear()

Console.WriteLine("You have entered :: ")

Console.WriteLine("Matrix 1 ::")

For i = 0 To row1 - 1

For j = 0 To col1 - 1

Console.Write(matrix1(i, j))

Console.Write(" ")

Next

Console.WriteLine()

Next

Console.WriteLine("Matrix 2 ::")

For i = 0 To row2 - 1

For j = 0 To col2 - 1

Console.Write(matrix2(i, j))

Console.Write(" ")

Next

Console.WriteLine()

Next

Console.WriteLine("Product of Matrix\_1 & Matrix\_2 is ::")

For i = 0 To row1 - 1

For j = 0 To col2 - 1

For k = 0 To row2 - 1

temp = temp + (matrix1(i, k) \* matrix2(k, j))

Next

Console.Write(temp & " ")

temp = 0

Next

Console.WriteLine()

Next

End If

Console.Read()

Window Application

Dim a(2, 2), b(2, 2), c(2, 2)

For i = 0 To 2

For j = 0 To 2

a(i, j) = InputBox("ENER THE ELEMENNTS OF 1st MATRIX")

Next j

Next i

For i = 0 To 2

For j = 0 To 2

b(i, j) = InputBox("ENER THE ELEMENNTS OF 2nd MATRIX")

Next j

Next i

For i = 0 To 2

For j = 0 To 2

c(i, j) = 0

For k = 0 To 2

c(i, j) = c(i, j) + a(i, k) \* b(k, j)

Next k

Next j

Next i

For i = 0 To 2

For j = 0 To 2

Print c(i, j)

Next j

Next i

End Sub