Option Strict On

Option Explicit On

Module Module1

Sub Main()

Dim scores(5), average, highest, lowest As Double

Dim index As Integer

Console.WriteLine("Please enter the grades for six students.")

For index = 0 To scores.GetUpperBound(0)

Do

Console.WriteLine("Grade must be in the range of [0, 100]. Please enter grade {0}:", index +1)

scores(index) = CDbl(Console.ReadLine)

Loop While scores(index) > 100 Or scores(index) < 0

Next index

highest = scores(0)

For index = 0 To scores.GetUpperBound(0)

If scores(index) > highest Then

highest = scores(index)

End If

Next index

lowest = scores(0)

For index = 0 To scores.GetUpperBound(0)

If scores(index) < lowest Then

lowest = scores(index)

End If

Next

average = (scores(0) + scores(1) + scores(2) + scores(3) + scores(4) + scores(5)) / 6

Console.WriteLine("You have entered the following grades: ")

Console.WriteLine(" {0} {1} {2} {3} {4} {5}", scores(0), scores(1), scores(2), scores(3), scores(4), scores(5))

Console.WriteLine("The average of the class is: {0, 4:.##}", average)

Console.WriteLine("The highest grade is: " & highest)

Console.WriteLine("The lowest grade is: " & lowest)

Console.ReadLine()

End Sub

End Module

