

Introduction to Programming using Visual Basic
CS0004
Pop Quiz 2.1 - Solutions

Name _____

Pitt ID _____

Instructions: You have 15 minutes to answer these questions as clearly and precisely as you can. Good Luck!

1. Name the 6 relational operators we discussed:

>, >=, <, <=, =, <>

2. Name the 3 logical operators used to join relational operators together:

Or, And, Not

3. Evaluate the following statements (show all work):

a. "Joe" < "joe" And (Not (20 > 21))

True

False

b. (((50 > 100) Or (5 <> 10)) And "Larry" = "larry")

False

True

False

True

=> True

=> True And False = False

4. Convert these nested If statements into a If-Elseif-Else statement:

```
If var1 > var2 Then
  ... block 1...
Else
  If var1 < var3 Then
    ...block2...
  Else
    ...block3...
  End If
End If
```

----- **Conversion** -----

```
if var1 > var2 Then
  ... block 1...
Elseif var1 < var3 Then
  ...block2...
Else
  ...block3...
End If
```

5. Given the following loop:

```
Dim x As Integer = 1
Do While x <= 5
    lstOutput.Items.Add(x)
    x += 1
Loop
```

(a) Convert the above Do While Loop into a For Next Loop

```
Dim x As Integer = 1
Do Until x > 5
    lstOutput.Items.Add(x)
    x += 1
Loop
```

Note: You can also say Do Until (Not x <= 5)

(b) Convert the above Do While Loop into a Do Until Loop

```
Dim x As Integer
For x = 1 To 5
    lstOutput.Items.Add(x)
Next
```

Note: You can also say For x As Integer = 1 To 5