Activity 2 CSS 341
Active Learning Exercises

Names (if present in class):

Download the example *LargestNum.vbs (Week 1)* onto your desktop and into your editor.

1. Draw a flow chart, displaying the logic of the script, focusing on the nested If-blocks.

2. Consider the possibility that some of the three numbers may equal each other. Define an index that keeps track of *how many times the largest number* appears For example

   n1 > n2 > n3 or n1 > (n2=n3) (Index =1)
   (n1=n2) > n3 (Index =2)
   (n1=n2=n3) (Index =3)

   With your partner write the decision tree and modify the flowchart for the following if-block to keep track of the possibility that n2 will equal n1. The variable index should be =1 if they are not equal and =2 if they are:

```
largestNum = num1    'assume 1st number is largest
 '
 'Test - is num2 larger than num1?
 If CDbl(num2) > CDbl(largestNum) Then
     largestNum = num2        ' num2 is larger than num1
 End If
'
```

3. Make the changes in your code, test it for the case n1=n2, and print out the *.vbs file, attaching it to this sheet. Are the extensions to the case including n3 obvious?