

Activity 1

Active Learning Exercises

CSS 341

Names (if present in class):

Part I

Using Internet Explorer starting with the course web page:

- click on “Examples and Handouts”,
- click on “Examples Week 1”. There should be two programs on that menu.

Download to your desktop the first program on the list “1.FirstVB.vbs” by right clicking on it and “save target as” on your desktop.

1. Find the icon on your desktop for “1.FirstVB” and double click on it. What happens?
2. Right click on the “1.FirstVB” icon and select “properties”. From this panel, determine what type of file has it been identified as?
3. What application opens this file (use the “Change” button to see the entire name)?

4. Click on “Start” on your task bar,
 - click on “Run”; in the window enter “cmd” as the program to open and click on “OK”.
 - At the command line prompt, enter “C:” to move your current drive to the root of the C drive.
 - Enter `cd %UserProfile%` your working directory to your home directory.
 - Enter `cd Desktop` to move your working directory to your desktop.
 - Enter “Dir” at the command prompt and determine the file extension on the file you have downloaded:

 - Enter the command “wscript 1.FirstVB.vbs” at the command prompt and note what happens:

5. Exit and close the command window and right click on the “1.FirstVB” icon on your desk top.,
 - Select “Open With” and then pick a text editor you want to use. (I use Microsoft visual Studio version selector; you could also use notepad, notepad++, or wordpad).
 - Change the quoted string in the InputBox call to “Enter something: “,
 - Save the file with the same name, and double click on the icon and note what happens:

6. As above, modify the InputBox string by removing both parentheses, leaving a space where the left parenthesis was. Save, rerun, and indicate what happens:

Activity I: Part II

Using the on-line VBScripting References, or your text book:

1. What does the function `IsNumeric` do?
2. List all other `IsSomething` type functions you can find and briefly indicate what they do.
3. What does `Cdbl()` function do?
4. Find the `CInt()` and `CStr()` functions and indicate briefly what they do:

5. What will be the result of the following:
- a. $N1 = \text{CInt}(3.85)$

 - b. $N1 = \text{CInt}(3.13)$

 - c. $N1 = \text{CInt}(3.50)$

 - d. $N1 = \text{CInt}(2.50)$
6. Suppose you want to *truncate* a positive floating point number to its integer part, using only the function `CInt()` and ordinary arithmetic operations, write pseudo code to accomplish this. For example, if the number is 23.752, your code should return the value 23.