

# Activity 5

## Active Learning Exercises

CSS 341

### Names (if present in class):

We have seen that the *Wscript* object can be interrogated for certain information.

Download the \*.vbs file *HundredthDigit.vbs* from Week 2. We saw that the *Argument* property of the *Wscript* object could be used to obtain the calling arguments of the program. Exercise #1 explores some other properties of the *Wscript* object.

1. Write a \*.vbs script that follows the example in the program above, but this time obtains and displays the name of the executing script (*ScriptName*) and its full path (*ScriptFullName*). See p.130-131 of Lomax. The idea is to generate the script of just a few lines, save it somewhere on the machine with a unique name and then have it display the name and path to it. Write the output below and attach the script printout.

The *CreateObject* method of the *Wscript* object can be used to create other useful objects. Exercise #2 explores this.

2. In the file *SetInitialFolder.vbs* (Week 3) the code uses the *Shell* object of *WScript* to access the property *CurrentDirectory*, the present working directory. See p. 142-43 of Lomax. The *Network* object of *WScript* is invoked similar to *Shell* above. See page 137 for some interesting properties of *Network*. Write a \*.vbs\* script that the computer name, user name and user domain of the user running the script. You might just add this to the program you wrote for #1 above. Write the output below and attach the script listing.

Download the file *OpenExcelWithCommon.vbs* (Week3). Also, in the same working directory, download the spreadsheet files *Scores*, *ScoreTest*, and *ScoresX* (Week3), Notice the construction of the filter. Excel files saved in 2007 format have the suffix *\*.xlsx* rather than *\*.xls*.

3. Modify *OpenExcelWithCommon.vbs* so that it lists Excel files in 2007 format as well as those in the older format in the selection box. Write below the filter code you used:
  
  
  
  
  
  
  
  
  
  
4. The function call: `SelectResult = ObjFSO.ShowOpen()` returns an output value in `SelectResult`. Is this value returned when the box is opened and displayed or after the user has selected a file? How can you tell?

Download the file *OpenExcelFromExcel.vbs* (Week3). In the same working directory you have already downloaded the spreadsheet files *Scores*, *ScoreTest*, and *ScoresX* (Week3), Notice the different construction of the filter here.

5. Modify *OpenExcelFromExcel.vbs* so that it lists Excel 2007 files as the second option in the filter menu. Write below the filter code you used:
  
  
  
  
  
  
  
  
  
  
6. Describe the fundamental difference between the approach used in *OpenExcelFromExcel.vbs* and that used in *OpenExcelWithCommon.vbs*