

## Scripting 1

### Lab 4

#### File Processing

##### Objectives:

- Demonstrate ability to read from and write to files of different types (comma separated files, Text files, Spreadsheets, etc.)
- Demonstrate ability to perform file processing using user defined methods

##### Problem:

As the system administrator of your organization, your security team has informed you that the total number of login attempts by some employees raises security concerns. The security team indicated to you that, for each employee, 50 login attempts or more within a week is an anomaly. The file linked in the Canvas assignment (*logins.csv*) details the login attempts by each employee. Write a python script that creates a file that contains the First Name, Last Name, and the Count of Login attempts by employees with suspicious logins. Your script should have at least two user-defined methods; one for reading the data from the given file and the other for creating the new file with suspicious login employee information. In addition to creating the files, print to the console the first and last names, and login attempts of the suspicious employee accounts in a table that has the appropriate headers and footers. Your script should print to the screen the total number of employees with suspicious login attempts right beneath the table.

##### Rubric

Comment code appropriately	5 points
Method to read data from file	15 points
Determine employees with suspicious login attempts	10 points
Method to create a file for suspicious employee login information	15 points
Number of employees with suspicious login attempts	5 points