CSC 102

**Chapter 5 Program while loop Assignment**

**Read Data**

**Problem:** Your boss have given you a new client file and you are curious to how many new clients there are and how many of those clients’ names start with vowels.

1. Declare and assign the Files, Scanner and PrintWriter; the input file is names.txt, the ouput file will be namesData.txt.
2. Declare and assign the necessary variables to zero that will count the data, totalNames and namesThatStartWithVowels
3. Create a loop to do the following (think while hasNext loop):
   1. Read in the whole name
   2. Print the name
   3. Add to totalNames
   4. Determine if it will be added to namesThatStartWithVowels (think if vowel)
4. Make sure to close resources

The data format in file names.txt:

Ada Simond

Albert Sidney Johnston

Output:

Ada Simond

Albert Sidney Johnston

. . .

Total names in data source: 157

Total names that start with a vowel: 25