**Exercise 3**

**Assignment Specification**

**Description**: This assignment has two parts: processing a text file and processing a csv file.

Part 1:

**Input**: No input from the user required. The input file name to use in the script is *marketingdata.txt*

Please note: file name has to be without its complete file path. For example: c:/stevens/em624/marketingdata.txt is NOT right. If you change platform or move the file to another directory, the script wouldn’t work. Be sure your script and your file are in the same directory.

**Output**: Skip a line/print a blank line, then print:

* + These are the first twenty lines in the file with no "NA" in it:
    - [20 lines of file]
    - [Skip a line]
    - The file has *n1* lines with no "NA" in it, that are x% of the total

**Procedure**:

1. Open the file
2. For each line in the file
   1. Skip the lines with "NA"
   2. Keep a count of the number of lines in the file (this is *n1*) with no "NA" in it
   3. Print the first 20 lines of the file with no "NA" in it
3. After processing the file, print:
   1. The file has *n1* lines with no "NA" in it. The lines with "NA" are x% of the total lines.

Part 2:

**Input**: No input from the user required. The input file name to use in the script is *NYC-CitiBike-2016.csv*

See above for file naming in your script.

**Output**: Skip a line, then print:

* + The file has n2 lines, of which n3 are from 9/29/16
  + The first file is (smaller or larger) than the second one

**Procedure**:

1. Open the file
2. For each line in the file
   * Keep a count of the number of lines in the file (this is *n2*)
   * Keep a count of the number of lines with 9/29/16 somewhere in the line (this is *n3*)
     + - Use something like: if ‘9/29/16’ in line:
3. After processing the file:
   * Print: *The file has n2 lines, of which n3 are from 9/29/16. The lines from 9/29/16 are x% of the total lines.*
   * Check IF n1>n2:
     + IF n1>n2, print: *The first file is larger than the second one*
     + else, print: *The first file is smaller than the second one*

Submit the 2 parts as a **single** .py file via Canvas.