Homework 1

February 5, 2018

The code and output of your homework should be in a folder named "homework1" inside your repository. Please name your repository as: last_name_first_name_orie6125. In this homework you will use AWS, S3, Linux console, Git, Shell and sed. You will work with the first 7 quote files of the course. You should do EVERYTHING using the Linux console and AWS.

1. Launch an AWS instance.

2. Run a shell script that creates 7 files where each file contains the first 1000 lines of the first seven quote files. They should have the same name as the original files. The shell script should do that automatically.

3. Modify each of the files of the previous point, using only one shell script, in the following way:

   (a) The file should only have three colums: A,B, Date. The columns should be separated by commas. The first column consists of the first string of alphanumeric character until the first white space. The second column combines all the characters starting from the first alphacharacter after the first white space, where any number of white spaces is replaced by '-'. The third column contains the date of the file. The file should look something like this:

   ```
   A,B,Date,20141201
   092930003PA,T-00000016500000427800N000000000000002826C,20141201
   093001173NA,O-00002702700000426900N000000000000003606C,20141201
   093001293DA,4-00000700000000426900N000000000000003675CT,20141201
   093001507TA,I-00000002000000426500N000000000000003744C,20141201
   093001507TA,Q-00000002000000426500N000000000000003745C,20141201
   093004113DA,@-00000010000000427100N000000000000004171CT,20141201
   093004113DA,@-00000010000000427300N000000000000004173CT,20141201
   093004149PA,Q-00000010000000427200N000000000000004218C,20141201
   093004149PA,O-00000010000000427200N000000000000004219C,20141201
   093004149PA,@-00000010000000427300N000000000000004220C,20141201
   093004150KA,F-00000010000000427100N000000000000004225C,20141201
   ```

4. Push the final files and scripts to your repository.

5. Modify the first COMPLETE quote file as specified in (3). In a txt file report the execution time of this operation and size of the file. Push ONLY the txt file. Hint: You should use the screen command.