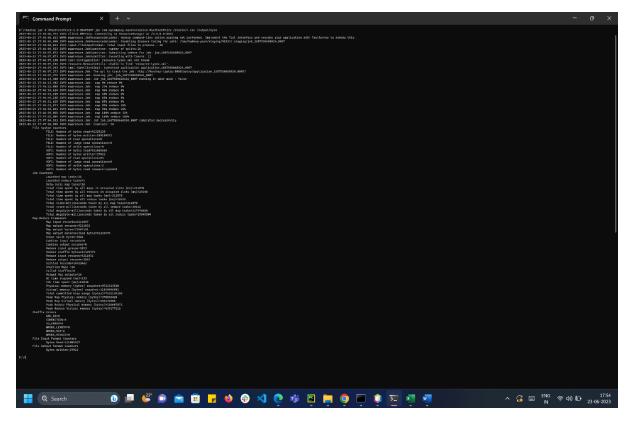
PART - 3

PART 3.1 - Copy NYSE dataset (DailyPrices_A to DailyPrices_Z) to a folder in HDFS. No merging.

```
Command Prompt
D:\hadoop\sbin>hdfs dfs -mkdir /stocks
D:\hadoop\sbin>hdfs dfs -copyFromLocal D:/stocks/*.csv /stocks
D:\hadoop\sbin>hdfs dfs -ls /stocks/
                                                                                                                                                                                     40990992 2023-06-23 14:50 /stocks/NYSE_daily_prices_A.csv 32034760 2023-06-23 14:50 /stocks/NYSE_daily_prices_B.csv 45790256 2023-06-23 14:50 /stocks/NYSE_daily_prices_D.csv 19234471 2023-06-23 14:50 /stocks/NYSE_daily_prices_D.csv 22104043 2023-06-23 14:50 /stocks/NYSE_daily_prices_E.csv 17387253 2023-06-23 14:50 /stocks/NYSE_daily_prices_E.csv 22608522 2023-06-23 14:50 /stocks/NYSE_daily_prices_G.csv 23127143 2023-06-23 14:50 /stocks/NYSE_daily_prices_H.csv 20680033 2023-06-23 14:50 /stocks/NYSE_daily_prices_J.csv 20680033 2023-06-23 14:50 /stocks/NYSE_daily_prices_J.csv 20537527 2023-06-23 14:50 /stocks/NYSE_daily_prices_J.csv 14782892 2023-06-23 14:50 /stocks/NYSE_daily_prices_L.csv 12958785 2023-06-23 14:50 /stocks/NYSE_daily_prices_M.csv 31488945 2023-06-23 14:50 /stocks/NYSE_daily_prices_M.csv 31488945 2023-06-23 14:50 /stocks/NYSE_daily_prices_N.csv 3865718 2023-06-23 14:50 /stocks/NYSE_daily_prices_D.csv 190899 2023-06-23 14:50 /stocks/NYSE_daily_prices_D.csv 1808595 2023-06-23 14:50 /stocks/NYSE_daily_prices_D.csv 1808595 2023-06-23 14:50 /stocks/NYSE_daily_prices_C.csv 28754690 2023-06-23 14:50 /stocks/NYSE_daily_prices_C.csv 2951590 2023-06-23 14:50 /stocks/NYSE_daily_prices_C.csv 29503196 2023-06-23 14:50 /stocks/NYSE_daily_prices_T.csv 20503196 2023-06-23 14:50 /stocks/NYSE_daily_prices_T.csv 20503196 2023-06-23 14:50 /stocks/NYSE_daily_prices_U.csv 20503196 2023-06-23 14:50 /stocks/NYSE_daily_prices_W.csv 20503196 2023-06-23 14
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D:\hadoop\sbin>
```

Write a MapReduce to find the Max price of stock_price_high for each stock. Capture the running time programmatically (or manually using a wristwatch or smartphone).



The time taken for the code to run 1min:08sec for NYSE_daily_stocks_AtoZ(26files).

PART 3.2 – Redo 3.1. Merge the NYSE files in a single file (that you may have done in your prev. HW) on HDFS. Now, repeat 3.1 on the single merged-file. Capture the running time. Did MapReduce on a single file run faster than running MapReduce on a bunch of files?

```
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Interestingly the time taken for merged single file of NYSE_daily_stocks_AtoZ took 1min:22sec to run the code.