

CISC 886

Cloud and Big Data

Lab 2

MapReduce Command

- Submit job

`$Hadoop jar JarFileName Classname InputFilepath OutputFilepath`

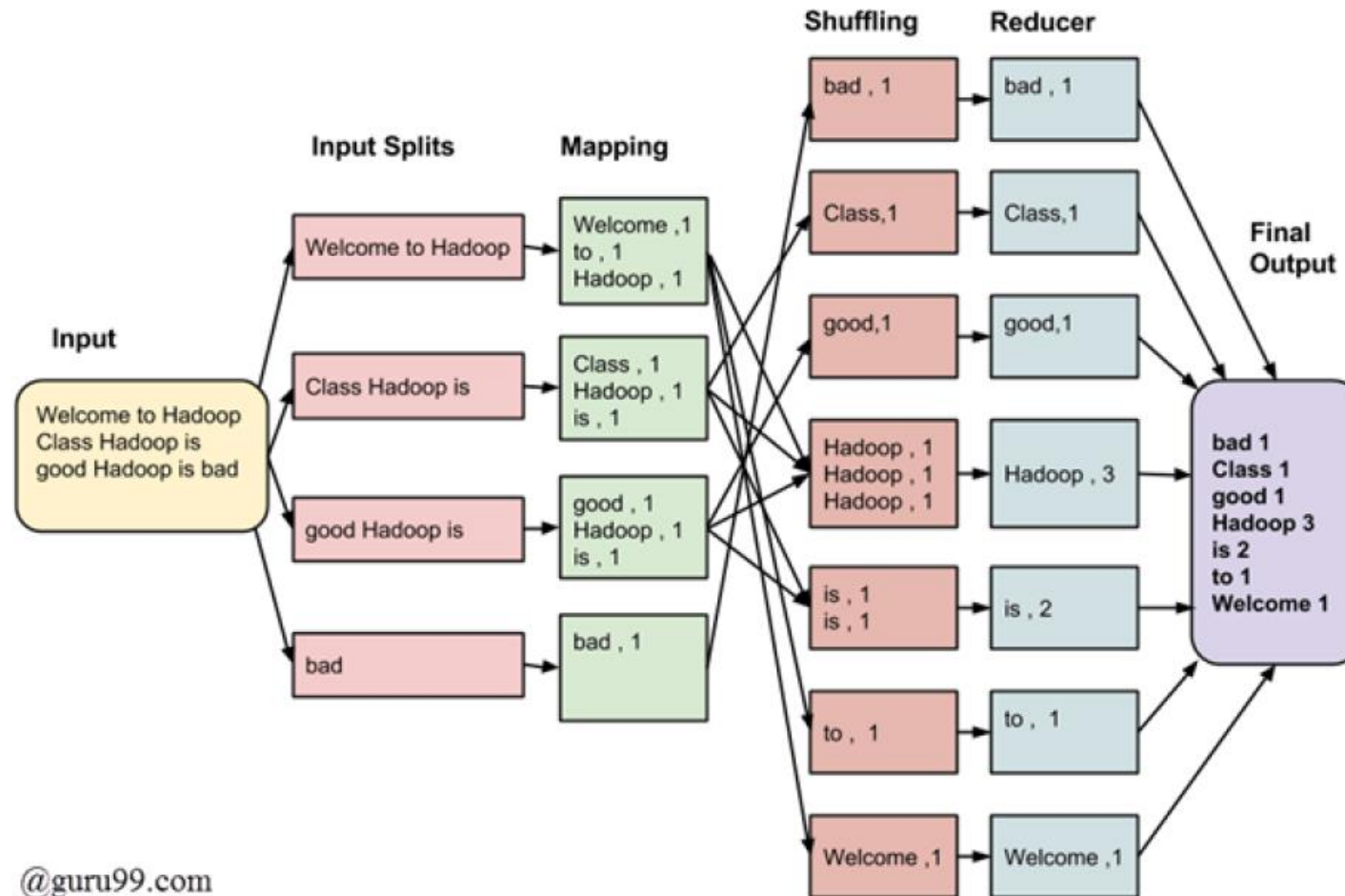
- View Reducer Result `$hdfs dfs -cat OutputFilepath/part-r-00000`

- Import Jar file \$right click project name → Build Path → Configure Build Path → under Libraries → Add External JARS → (Add your jar_file_path)

- Export Jar file \$right click package → Export → java → JAR file → Next → save_location_jar

Word Count

Check the attached files on onQ (Driver, Mapper, Reducer, JAR files)



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MapReduce Architecture

Lab 2

- Write a MapReduce program in java that considers as input the Stock.csv file you created in Lab-1 for 1 year.
- Your goal is to find out the maximum closing price of each type of quotes (e.g. TSLA) taken from the 6th column of the stock.csv file.
- You have to hand in the following:
 1. the jar file
 2. Copy and paste your java program source code for Driver, Mapper, and Reducer in the word document. The program code should have a comment line mentioning your name and ID. (Add screenshot also)
 3. The stocks.txt data file you generated.
 4. Copy and paste the output file content within the word document.