Session 4 - MR - Introduction

Assignment 1

There are 3 jar files for each of the task. Each task has a separate Package and a separate driver program.

Syntax for the hadoop command used:

Hadoop jar <location of jar in local FS> <HDFS location of input text file> <HDFS location of the output to be created.>

Main class for each jar file is set while exporting the jar in Eclipse.

Task1: Write a Map Reduce program to filter out the invalid records. Map only job will fit for this context.

Jar name: Assignment4.jar

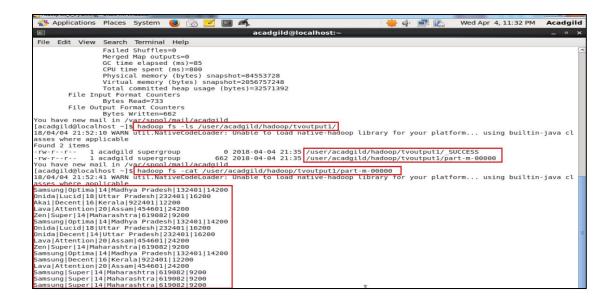
Hadoop command:

hadoop jar /home/acadgild/Assignment4.jar /user/acadgild/hadoop/television.txt /user/acadgild/hadoop/tvoutput1

Output folder: tvoutput1

A '_SUCCESS' file is created indicating the successful execution of the job.

The output of the job id stored in the part file.



The output shows that the tow records containing 'NA' entries are not included.

Task2: Write a Map Reduce program to calculate the total units sold for each Company.

Jar name: Assignment4-2.jar

Hadoop command:

hadoop jar /home/acadgild/Assignment4-2.jar /user/acadgild/hadoop/television.txt /user/acadgild/hadoop/tvoutput2

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[acadgild@localhost-]$ hadoop jar /home/acadgild/Assignment4-2.jar /user/acadgild/hadoop/television.txt /user/acadgild/had
```

Output folder: tvoutput2

A 'SUCCESS' file is created indicating the successful execution of the job.

The output of the job id stored in the part file.

The total units sold for each company is the number of times the record for that company occurs in the file.

The output shows the number of units sold for each company.

Task3: Write a Map Reduce program to calculate the total units sold in each state for Onida company.

Jar name: Assignment4-3.jar

Hadoop command:

hadoop jar /home/acadgild/Assignment4-3.jar /user/acadgild/hadoop/television.txt /user/acadgild/hadoop/tvoutput3

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Output folder: tvoutput3

A '_SUCCESS' file is created indicating the successful execution of the job.

The output of the job id stored in the part file.

```
CONNECTION=0

IO ERROR=0

WRONG LENGTH=0
WRONG MAP=0
WRONG REDUCE=0
File Input Format Counters
Bytes Read=733
File Output Format Counters
File Input Format Counters
I File Input Format Counters
I File Output Format C
```