CASE STUDY 1

- 1. a) To move the ratings.csv and movies.csv file into hadoop fs from local.
 - → hadoop fs -put /movies.csv /
 - → hadoop fs -put /ratings.csv /

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### According to the content of the
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1. b) Report the hdfs block created by both the files (movies.csv and ratings.csv) on HDFS.

→ Command used : hadoop fsck /movies.csv

→ Command used : hadoop fsck /ratings.csv

→ /movies.csv

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Partylu@beckhasts

-TW-T--T-- 1 acadgild supergroup 709550327 2018-05-09 18:17 /ratings.csv
drwxr-xr-x - acadgild supergroup 0 2018-05-08 12:16 /resources
drwxr-xr-x - acadgild supergroup 0 2018-02-02 12:49 /sgoopout111
drwxrwx-- - acadgild supergroup 0 2018-02-09 11:35 /tmp
drwxr-xr-x - acadgild supergroup 0 2018-05-08 13:12 /user
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost -]$ hadoop fsck /movies.csv
DEPRECATED: Use of this script to execute hdfs command is deprecated.

Instead use the hdfs command for it.

18/05/10 19:00:13 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Connecting to namenode via http://localhost:50070
FSCK started by acadgild (auth:SIMPLE) from /127.0.0.1 for path /movies.csv at Thu May 10 19:00:20 IST 2018

Status: BHAJTHY
Total size: 2283410 B
Total dirs: 0
Total syminks: 0
Total syminks: 0
Total plicks (validated): 1 (avg. block size 2283410 B)
Minimally replicated blocks: 0 (0.0 %)
Mins-replicated blocks: 0 (0.0 %)
Under-replicated blocks: 0 (0.0 %)
Under-replicated blocks: 0 (0.0 %)
Under-replicated blocks: 0 (0.0 %)
Mins-replicated blocks: 1
Average block replication: 1.0
Corrupt blocks: 0
Missing replicas: 0
Missing replicas: 0
Missing replicas: 0
Missing replicas: 1
FSCK ended at Thu May 10 19:00:21 IST 2018 in 1094 milliseconds

The filesystem under path '/movies.csv' is HEALTHY
[acadgild@localhost -]$
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→ /ratings.csv

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### Comparison of the Comparis
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- 2. Join the two tables using reduce side join and find out?
 - a). the movies that user has rated?
 - b). How many times a movie has been rated?
 - c). the average rating given for a movie?
- **Sol:** -> write a Mapper, reducer and a driver program.
 - ->export the jar file and execute it on hadoop
- ->command used -> hadoop jar CaseStudy.jar /movies.csv /ratings.csv CaseOutput

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### Statistic State | State |
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To check the output, command used:

→ hadoop fs -cat caseOutput/part-r-0000 | head