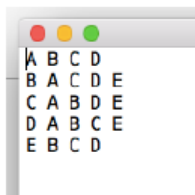


Mohamed Gharibi (7)

1. Create a jar file of FacebookCommonFriend in IntelliJ IDEA using Maven commands.
2. Upload this jar file with the input file in a remote server using FillZilla.
3. Connect the remote server using ssh; ssh group2@172.16.2.241 in terminal.
4. Run Hadoop command to execute the jar file.

```
$ hadoop fs -put CommonFriends-1.0-SNAPSHOT.jar
$ hadoop fs -put input
$ hadoop jar CommonFriends-1.0-SNAPSHOT.jar MutualFriends input output
$ hadoop fs -cat output*
```

Input file:



```
A B C D
B A C D E
C A B D E
D A B C E
E B C D
```

Terminal (output):

```
application_1455690915780_0034/
16/02/22 00:51:53 INFO mapreduce.Job: Running job: job_1455690915780_0034
16/02/22 00:52:01 INFO mapreduce.Job: Job job_1455690915780_0034 running in uber mode :
16/02/22 00:52:01 INFO mapreduce.Job: map 0% reduce 0%
16/02/22 00:52:08 INFO mapreduce.Job: map 100% reduce 0%
16/02/22 00:52:17 INFO mapreduce.Job: map 100% reduce 50%
16/02/22 00:52:26 INFO mapreduce.Job: map 100% reduce 100%
16/02/22 00:52:26 INFO mapreduce.Job: Job job_1455690915780_0034 completed successfully
16/02/22 00:52:26 INFO mapreduce.Job: Counters: 49
```

```
Bytes Written=57
$ hadoop fs -cat output4/*
AB      CD
AD      BC
BC      ADE
BE      CD
CD      ABE
DE      BC
AC      BD
BD      ACE
CE      BD
$
```