

ASSIGNMENT-1

(HIVE)

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Step 1: Start the session.

```
File Edit View Search Terminal Help

|bh01@ubh01:~$ ./hadoop-2.7.1/sbin/start-all.sh
| This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
| 24/03/28 21:54:50 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes wh ere applicable
| Starting namenodes on [localhost]
| localhost: starting namenode, logging to /home/ubh01/hadoop-2.7.1/logs/hadoop-ubh01-namenode-ubh01.out
| localhost: starting datanode, logging to /home/ubh01/hadoop-2.7.1/logs/hadoop-ubh01-secondarynamenode-ubh01.out
| Starting secondary namenodes [0.0.0.0]
| 0.0.0: starting secondarynamenode, logging to /home/ubh01/hadoop-2.7.1/logs/hadoop-ubh01-secondarynamenode-ubh01.out
| 24/03/28 21:55:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
| starting resourcemanager, logging to /home/ubh01/hadoop-2.7.1/logs/yarn-ubh01-resourcemanager-ubh01.out
| localhost: starting nodemanager, logging to /home/ubh01/hadoop-2.7.1/logs/yarn-ubh01-nodemanager-ubh01.out
```

Step 2: Start the HDFS in the virtual machine.

Step 3: Now get the files(movies.item, ratings.data) into local system from external source by using wget command.

```
ubh01@ubh01:-$ hive
SLF43: class path contains
multiple SLF43 bindings.
SLF43: flound binding in [jar:file:/home/ubh01/apache-hive-2.3.2-bin/lib/log4j-slf4j-impl-2.6.2.jar!/org/slf4j/impl/StaticLoggerBinder
.class]
SLF43: Found binding in [jar:file:/home/ubh01/hadoop-2.7.1/share/hadoop/common/lib/slf4j-log4j12-1.7.10.jar!/org/slf4j/impl/StaticLog
gerBinder.class]
SLF43: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF43: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]
Logging initialized using configuration in jar:file:/home/ubh01/apache-hive-2.3.2-bin/lib/hive-common-2.3.2.jar!/hive-log4j2.properti
es Async: true
Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e.
spark, tez) or using Hive 1.X releases.
```

Step 4: Now start the hive in the virtual machine.

- Step 5: Create a database in the hive.
- Step 6: check the database that has been created using show databases command.
- Step 7: Now, to create tables in the database we have created, use "use <database name>" command.
- Step 8: Now create the two tables named movieeee and ratingsss in the database we created in hive.

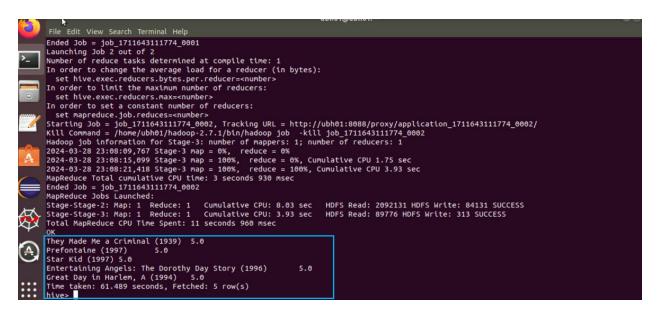
```
hive> load data local inpath 'movies.item' into table movieeee;
Loading data to table dharini.movieeee

OK
Time taken: 1.934 seconds
hive> load data local inpath 'ratings.data' into table ratingsss;
Loading data to table dharini.ratingsss

OK
Time taken: 0.784 seconds
hive>
```

Step 9: Now load the data from files we saved in the local system to the tables we created in the hive.

Step 10: Now write a query to fetch the 5 records having top ratings for movie.



Step 11: Check the records at the output.