SQOOP ASSIGNMENT-3

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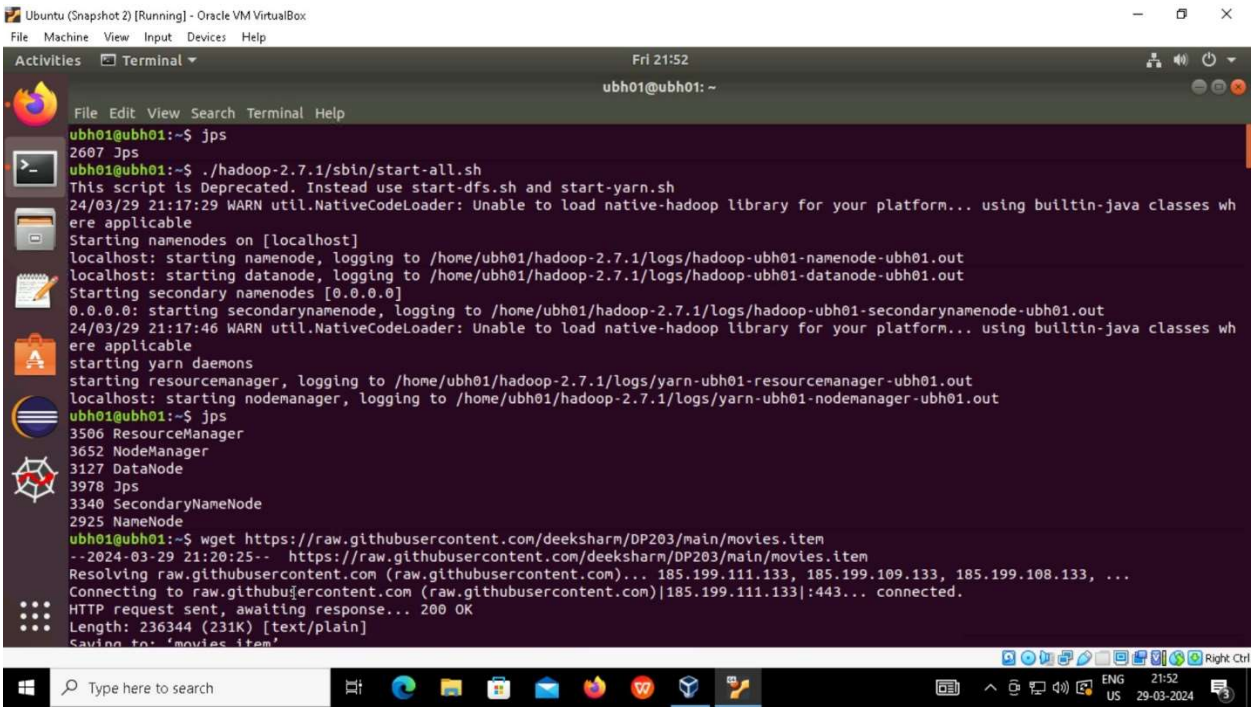
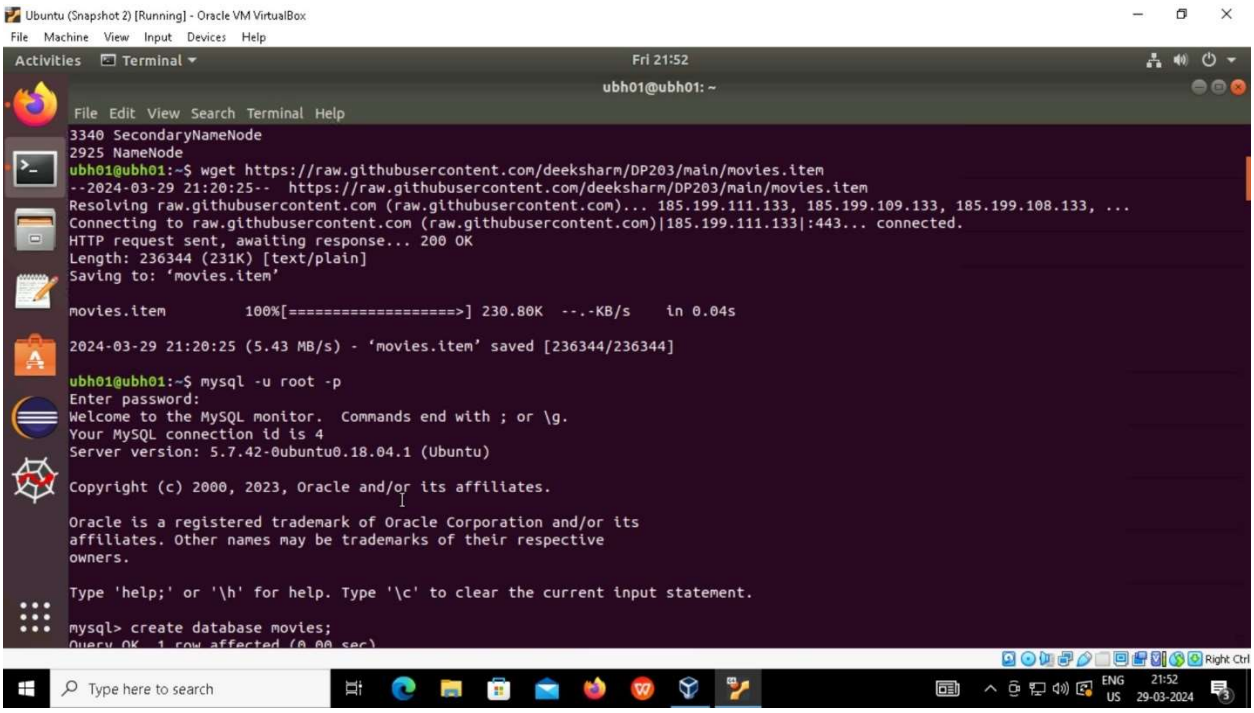
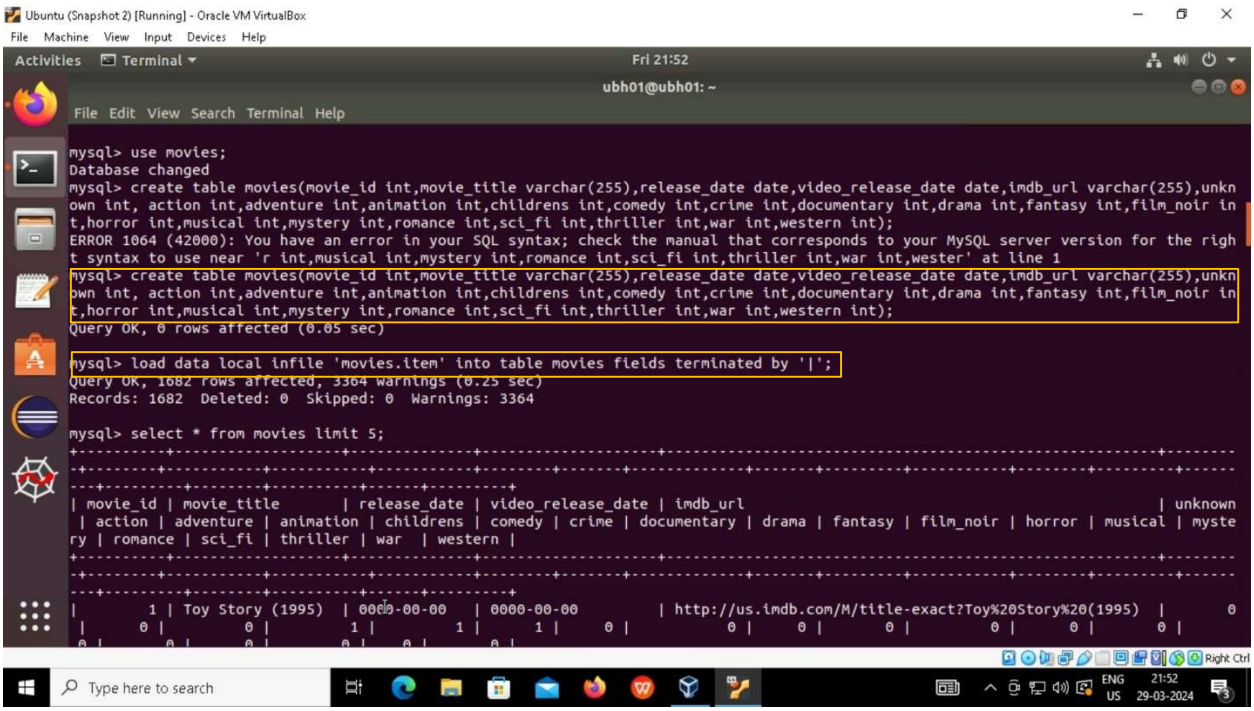
Importing from mysql to Hadoop BY USING SQOOP:



- Check whether data node and name node is on or not by using command "**jps**".
- By using **"/hadoop-2.7.1/sbin/start-all.sh**" we are making data node and name node start.
- By using **"wget <url>"** fetch movies.item file from GitHub **.**



- Turn on MySQL by using command **"mysql -u root -p"** giving password :password**.**

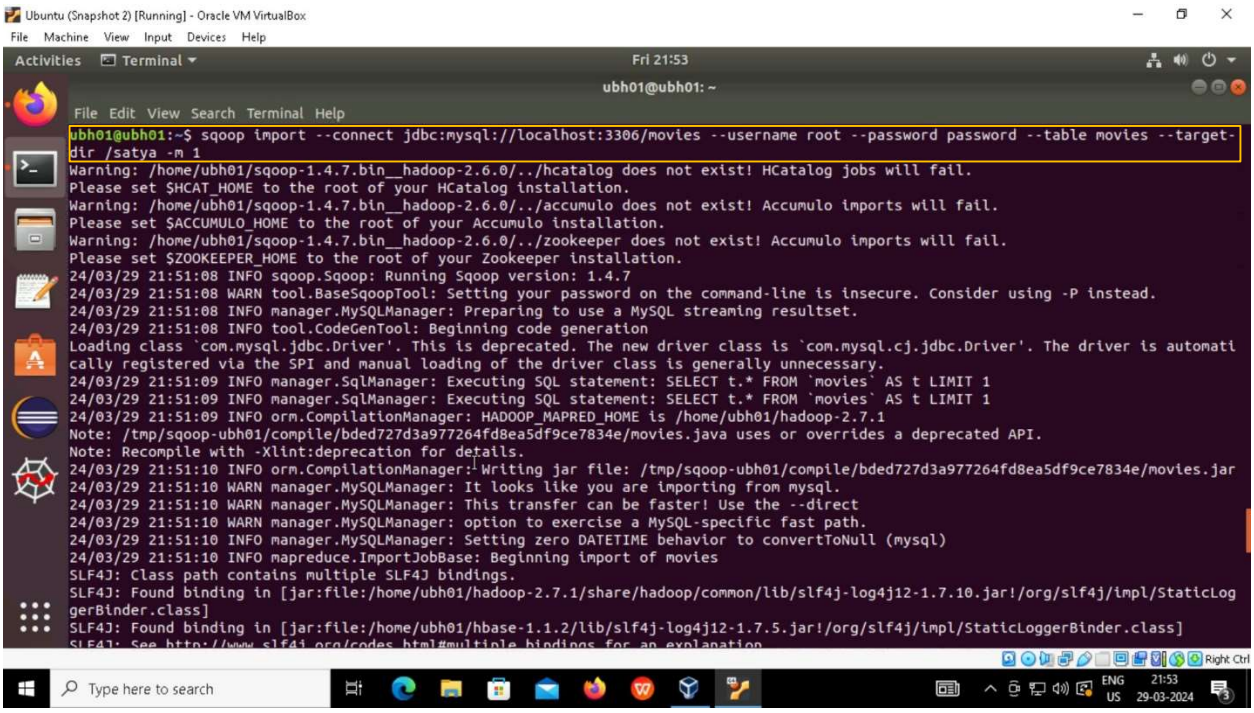


- By using command **"Create database movies;"** and by **"using movies;".**
- Create table movies by using schema.

```
CREATE TABLE Movies (
   movie_id INT PRIMARY KEY,
   movie_title VARCHAR(255),
   release_date INT,
   video_release_date VARCHAR(255),
   IMDb_URL VARCHAR(255),
   unknown INT,
   Action INT,
   Adventure INT,
   Animation INT,
   Childrens INT,
   Comedy INT,
   Crime INT,
   Documentary INT,
   Drama INT,
   Fantasy INT,
   Film_Noir INT,
   Horror INT,
   Musical INT,
   Mystery INT,
   Romance INT,
   Sci_Fi INT,
   Thriller INT,
   War INT,
   Western INT
);
```

- By using command

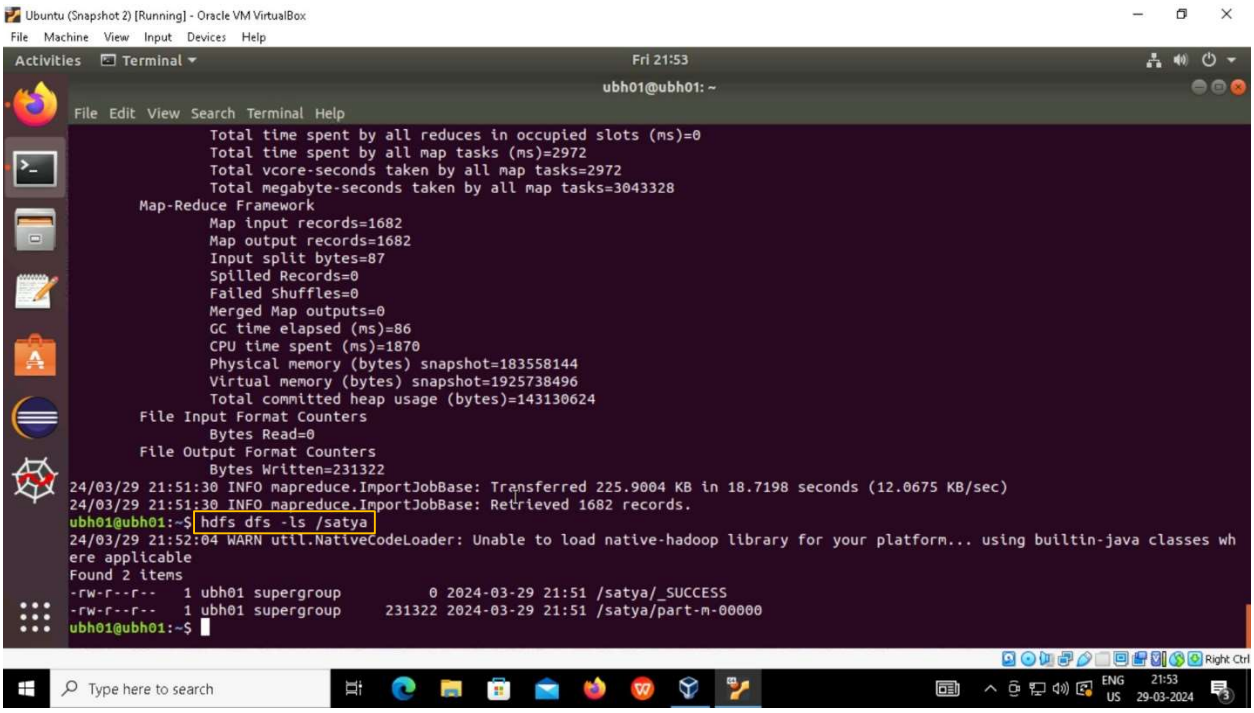
```
“ LOAD DATA INFILE 'movies.item’
INTO TABLE Movies
FIELDS TERMINATED BY '| '
LINES TERMINATED BY '\n' ”;
```



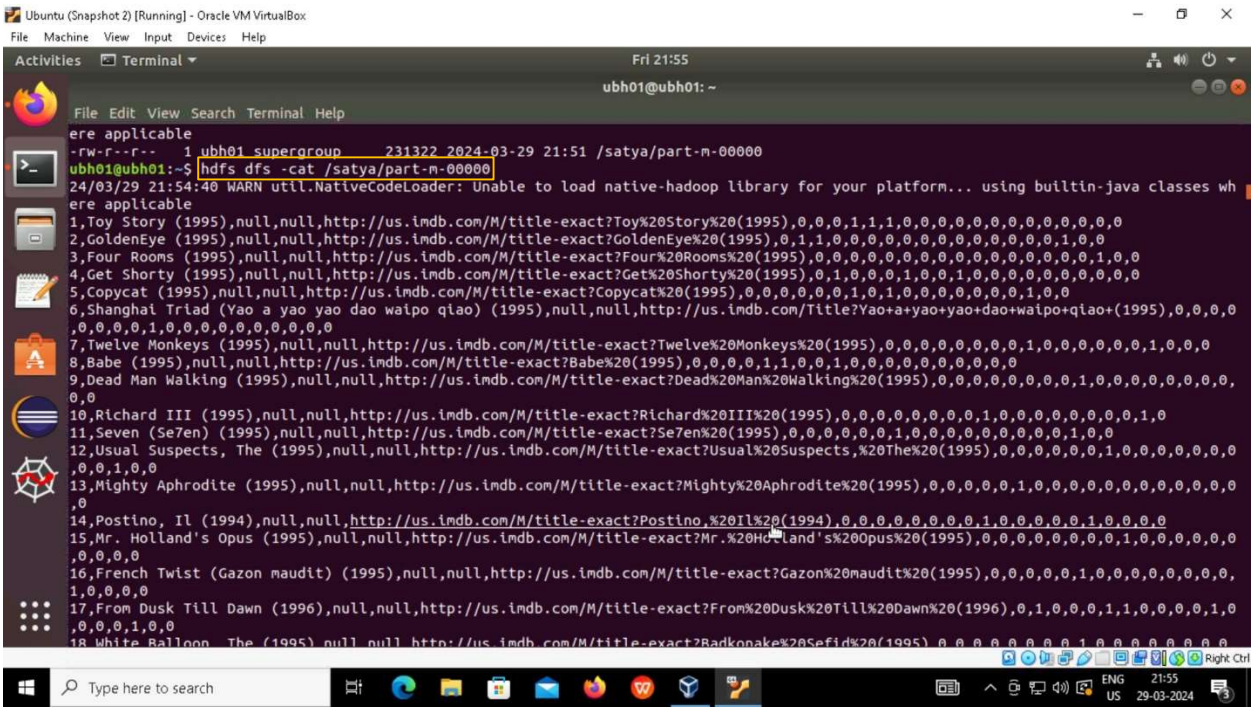
- By using command

“sqoop import --connect jdbc:mysql://your_mysql_host:port/movies
--username root
--password password
--table Movies
--target-dir movies.item
--m 1”

importing data from mysql to hdfs by using sqoop.

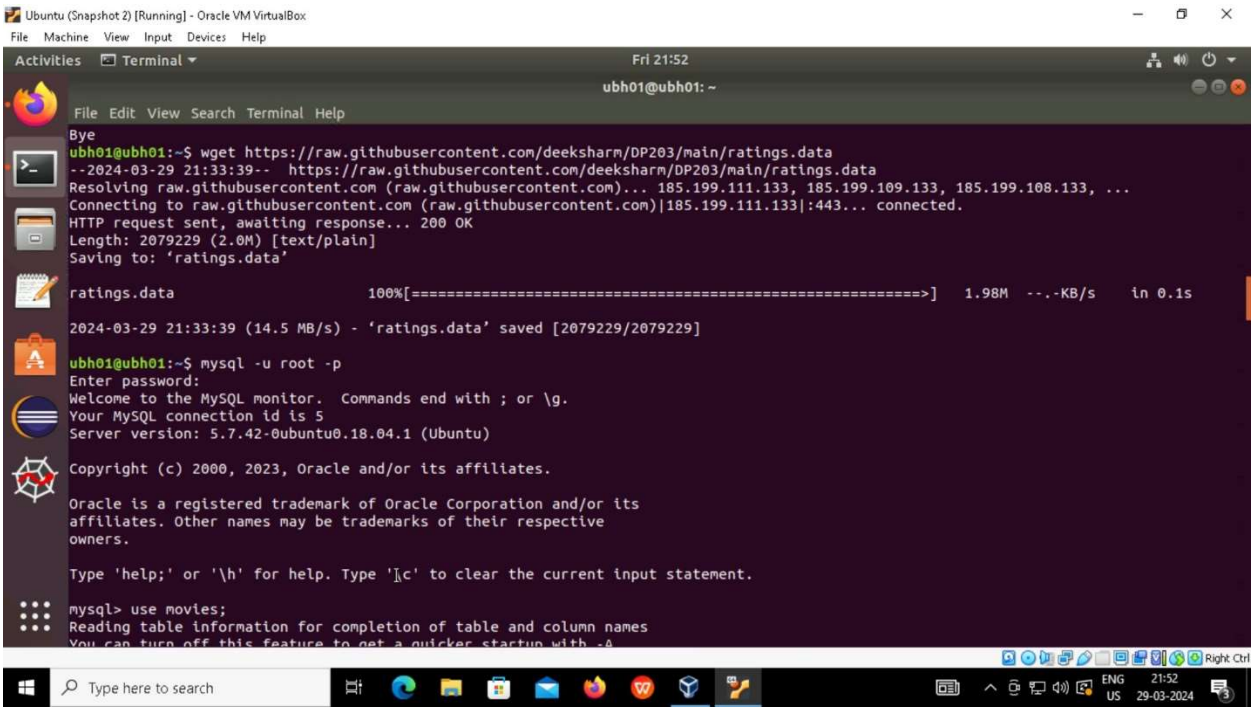


- Successfully loading data from mysql to hdfs by using sqoop.
- By using command **"hdfs dfs -ls /satya"** we are getting 2 files **"_SUCCESS, part-m-0000"**



- By using command **"hdfs dfs -cat /satya/part-m-000".** We are going to view data which is came after map reducer.

Export from Hadoop to MySQL BY USING SQOOP:



- By using **"wget <url>"** we are fetching ratings.data file from github.
- By using **"mysql -u root -p password"** we are going to enter into mysql.
- By creating table ratings

  "create table(

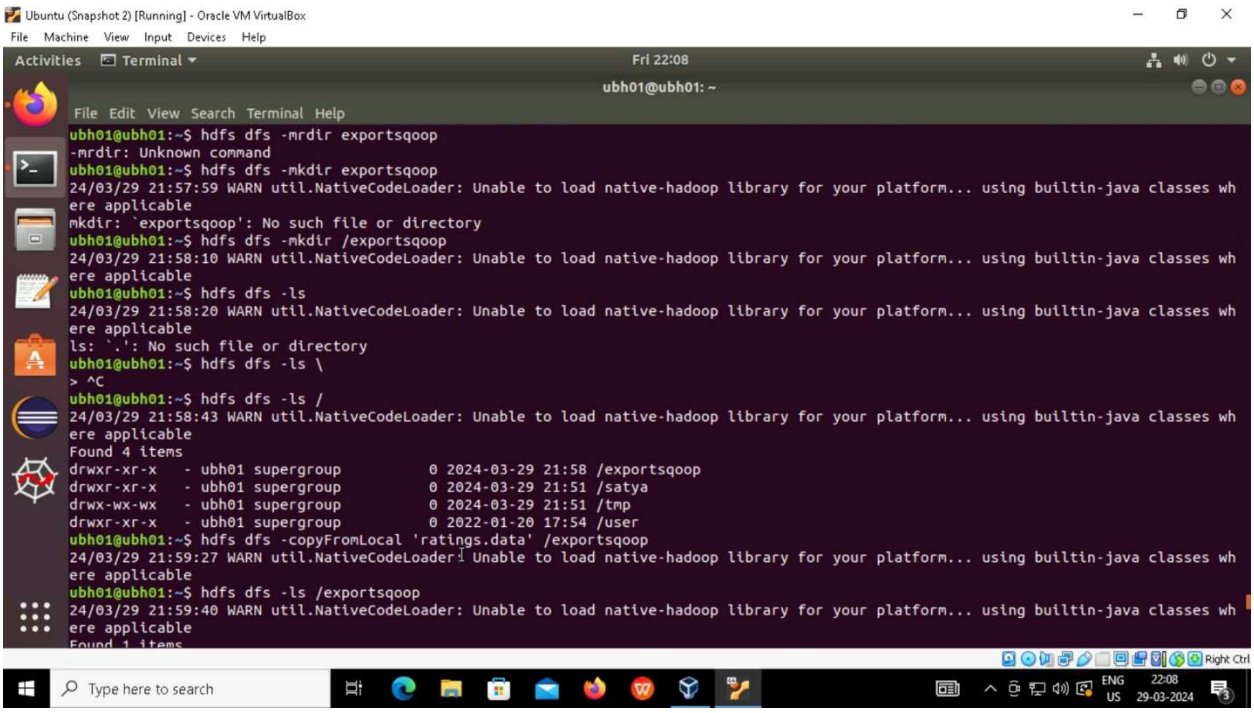
  user id int,

  item id int,

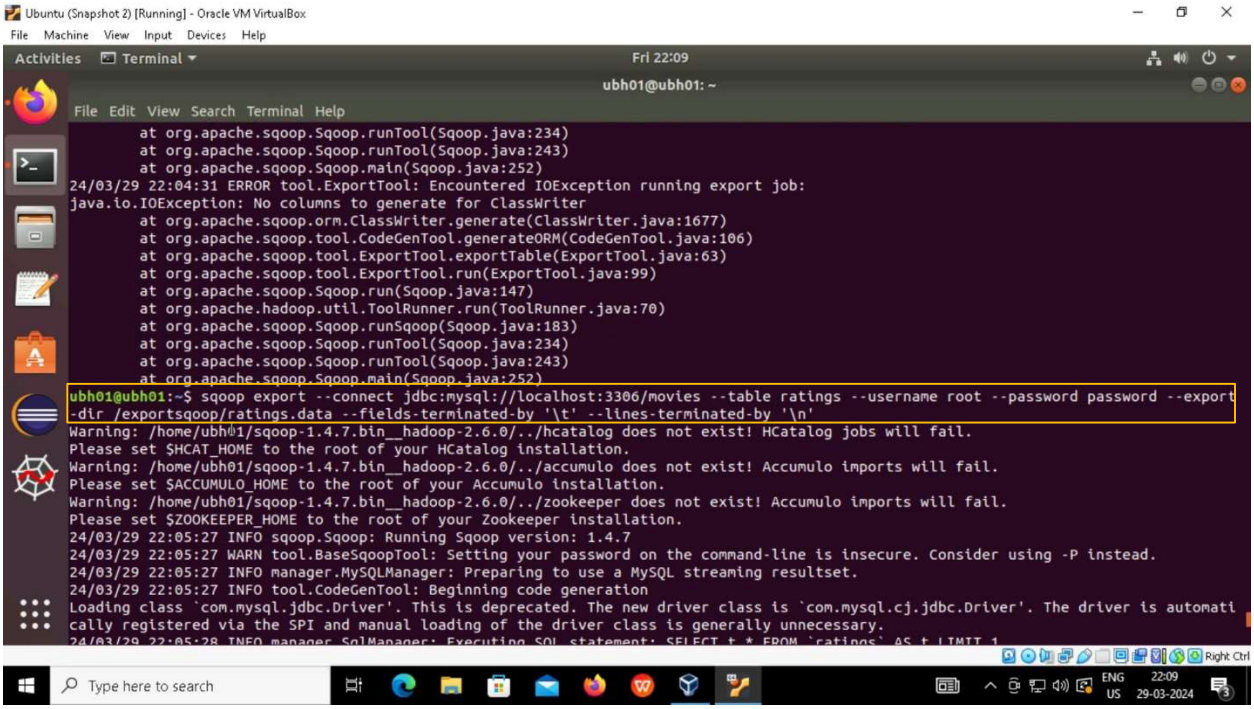
  rating int,

  timestamp varchar(255)

  );"



- creating directory in hadoop **"hdfs dfs -mkdir <exportsqoop>".**
- Load data from local into hdfs by using **"copyFromLocal"** command.
- Checking file get inserted into created directory or not "**hdfs dfs -ls /exportsqoop**"



- Export command by using sqoop

“sqoop export --connect jdbc:mysql://your_mysql_host:port/movies

--username root

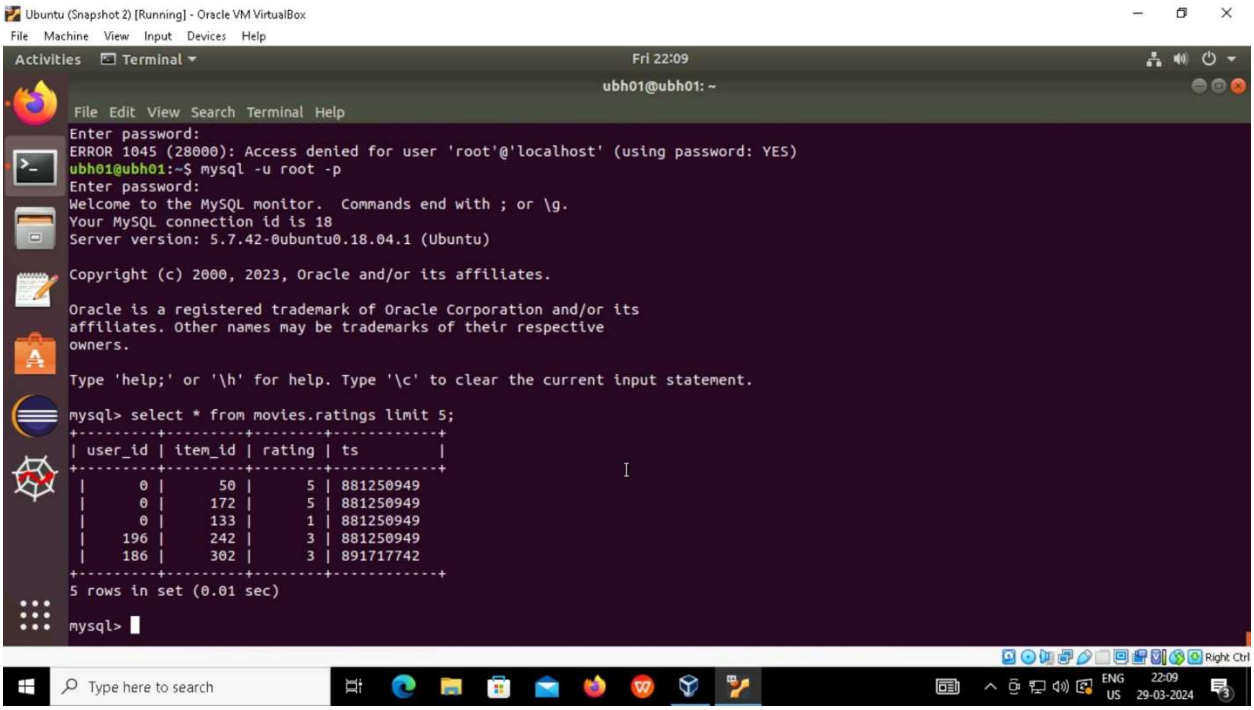
--password password

--table ratings

--export-dir /exportsqoop/ratings.data

--fields-terminated-by '\t'

--lines-terminated-by '\n' “



- Finally checking data whether insert into mysql ratings table by using **“select * from movies.ratings limigt 5;”**