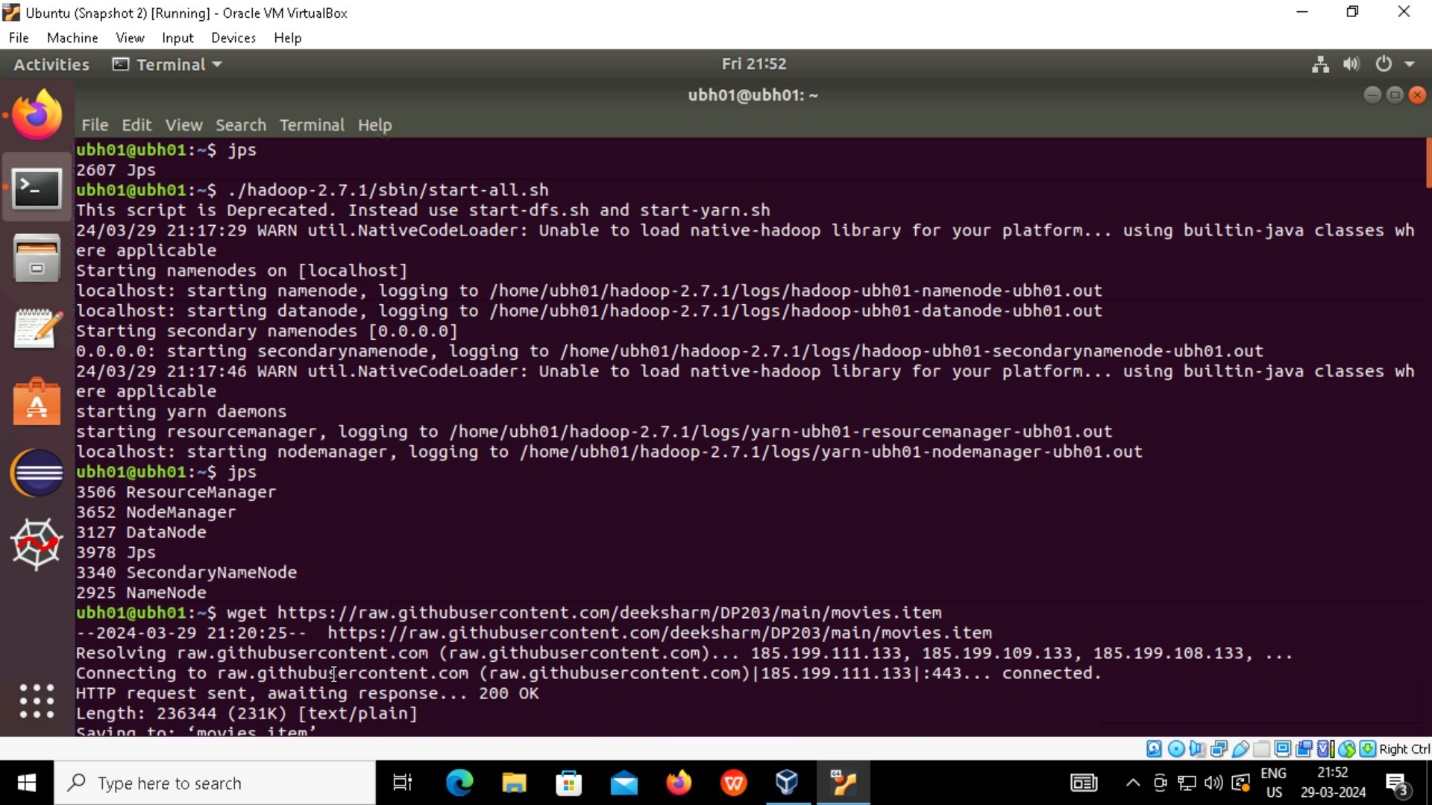
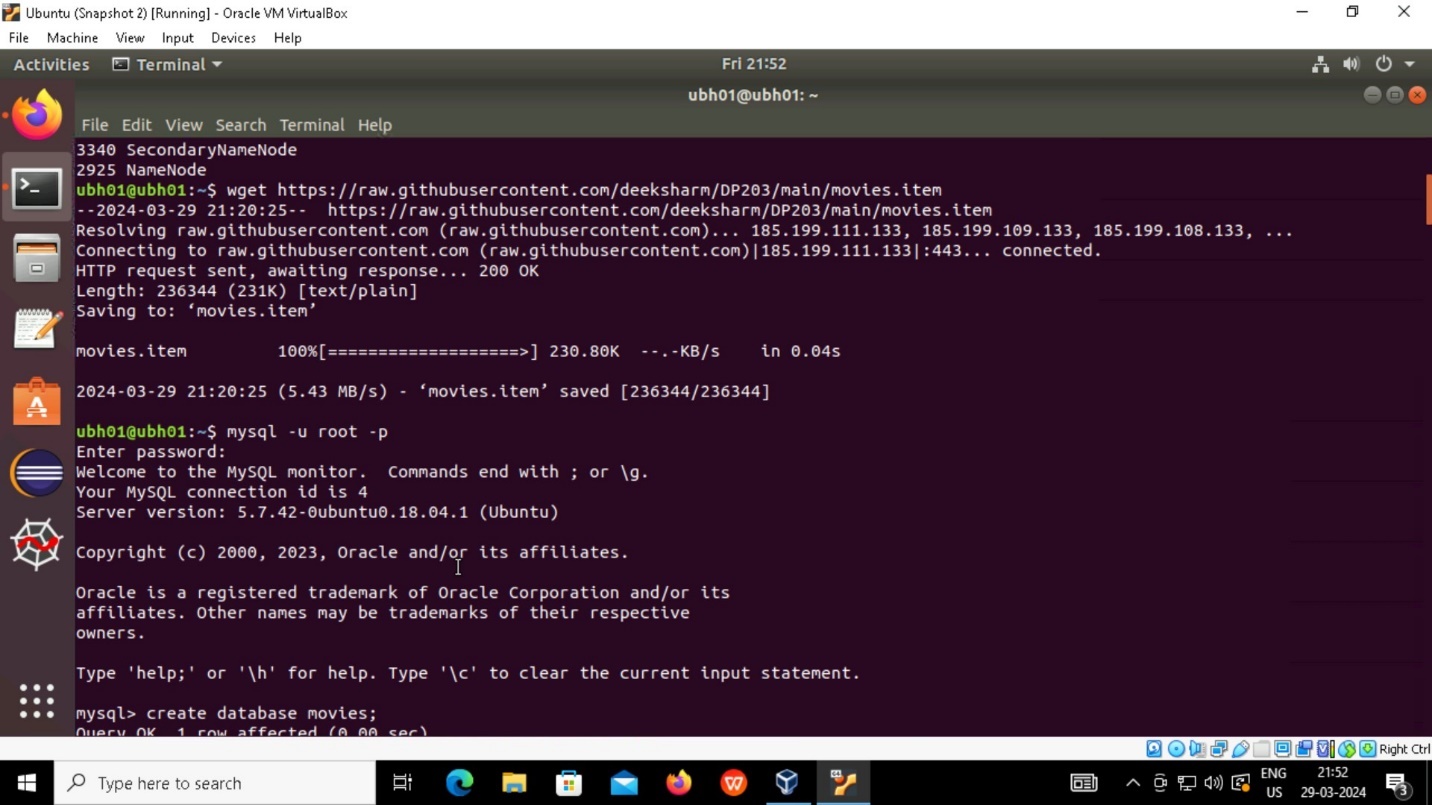
SQOOP ASSIGNMENT-3

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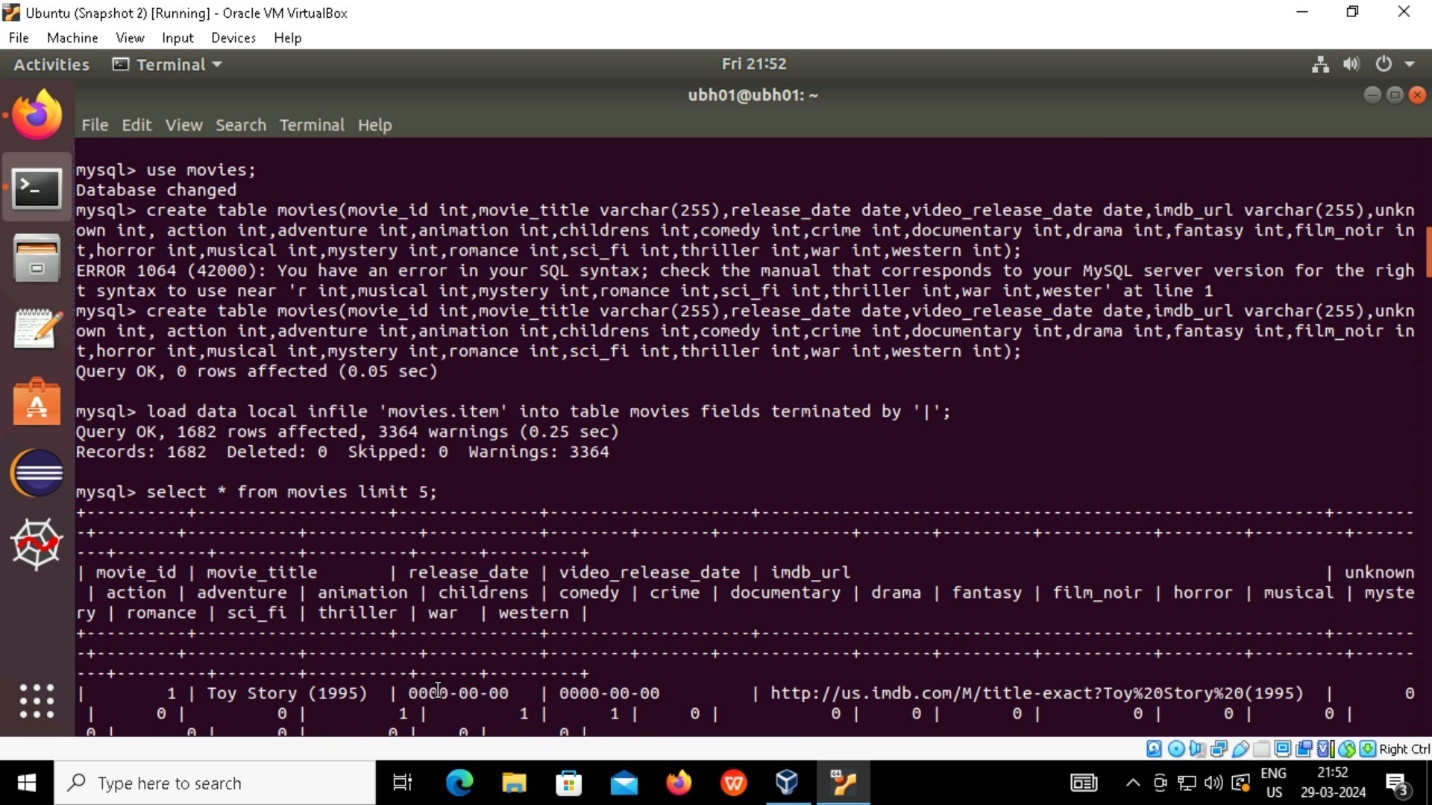
**Importing from mysql to hadoop**



* 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' ”;**

A screenshot of a computer

Description automatically generated

* 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.

A computer screen shot of a computer program

Description automatically generated

* 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”**

A screenshot of a computer

Description automatically generated

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

A screenshot of a computer

Description automatically generated

* 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)  
);”**

* A screenshot of a computer

  Description automatically generatedcreating 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”**

A screenshot of a computer

Description automatically generated

* 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' “**

A screenshot of a computer

Description automatically generated

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