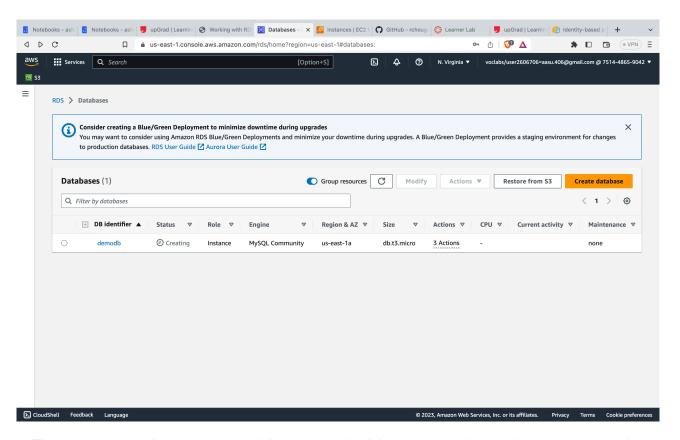
Task 1: Creating rds cluster in aws, go to aws console search for rds and then click on create cluster select the options according to your requirements and click on create.



Then create emr cluster and open it in your terminal. In your emr cluster give this command to download the civ files.

Wget https://nyc-tlc-upgrad.s3.amazonaws.com/yellow\_tripdata\_2017-01.csv

Give these commands to connect to rds.

 $\label{eq:mysql-h} \mbox{mysql-h demodb.c0tcmelmutfo.us-east-1.rds.amazonaws.com -P 3306 -u admin -p}$ 

And then give password

After entering the db now give this guery for creating the table

create table data (VendorID INT PRIMARY KEY ,tpep\_pickup\_datetime DATETIME DEFAULT CURRENT\_TIMESTAMP, tpep\_dropoff\_datetime DATETIME DEFAULT CURRENT\_TIMESTAMP, passenger\_count INT, trip\_distance FLOAT, RatecodeID INT, store\_and\_fwd\_flag VARCHAR (255), PULocationID INT, DOLocationID INT, payment\_type INT, fare\_amount FLOAT, extra FLOAT, mta\_tax FLOAT, tip\_amount FLOAT, tolls\_amount

FLOAT, improvement\_surcharge FLOAT, total\_amount FLOAT, congestion\_surcharge FLOAT, airport\_fee FLOAT);

Inserting data csv data using emr in RDS database LOAD DATA LOCAL INFILE '/home/hadoop/yellow\_tripdata\_2017-03.csv' INTO TABLE data FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n' IGNORE 1 LINES;

MySQL [yellowtrip\_data]>

```
-/Downloads — ec2-user@ip-172-31-30-45:~ — -zsh
                                                                                                                                                                            ...p@ip-172-31-80-28:~ — ssh -i ~/Downloads/MyEC2.pem hadoop@ec2-3-84-234-77.compute-1.amazonaws.com
ERROR 2 (HY000): File '/homme/hadoop@ip-172-31-80-28/yellow_tripdata_2017-01.csv' not found (Errcode: 2)

MySQL (yellowtrip_data) LOAD DATA LOCAL INFILE 'hadoop@ip-172-31-80-28/yellow_tripdata_2018-01.csv' INTO TABLE data FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n' IGNORE 1 LINES;

ERROR 2 (HY000): File 'hadoop@ip-172-31-80-28/yellow_tripdata_2017-01.csv' not found (Errcode: 2)

MySQL (yellowtrip_data) LOAD DATA LOCAL INFILE '/Users/hadoop@ip-172-31-80-28/yellow_tripdata_2017-01.csv' iNTO TABLE data FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n' IGNORE 1 LINES;

ERROR 2 (HY000): File '\Users/hadoop@ip-172-31-80-28/yellow_tripdata_2017-01.csv' not found (Errcode: 2)

MySQL (yellowtrip_data) exit

Bye

[[hadoop@ip-172-31-80-28 ~]$ sudo -i
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
 Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
 MMSQL [(none)]> use yellowtrip_data;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
Database changed

MySQL (yellowtrip_data)> LOAD DATA LOCAL INFILE '/home/hadoop/yellow_tripdata_2017-01.csv'

-> INTO TABLE data

-> FIELDS TERMINATED BY ','

-> LINES TERMINATED BY '\n'

-> LINES TERMINATED BY '\n'

-> LORORE 1 LINES;

Query 0K, 2 rows affected, 65535 warnings (58.22 sec)

Records: 9710820 Deleted: 0 Skipped: 9710818 Warnings: 29132458
 MySQL [yellowtrip_data]> |
```

ESSISTEREEREEREESSISTER MINISTER MINISTER RESISTER  **EREEREEREEREEREEREEREEREEREEREEREEREER
onteip-172-31-80-28 -]# II tail 0  onteip-172-31-80-28 -]# II  onteip-172-31-80-28 home # II  customer in the image is a second of the
otégin_72-31-88-28   Je d   otégin_72-31-88-28   otégin_72-31-88-28   Je d   otégin_72-31-88-28   ot
boot dev device-names.json emr etc home lib libé4 local media mnt mntl opt proc root run abin srv sys tmp usr var otépi-172-31-88-28 home]# is -user hadoop isipata_2017-01.csv yellow_tripdata_2017-02.csv otépi-172-31-88-28 home]# is -user hadoop otépi-172-31-88-28 home]# is -user hadoop isipata_2017-01.csv yellow_tripdata_2017-02.csv otépi-172-31-88-28 home]# is -user hadoop otépi-172-31-88-28 home]# is -
user hadoop tctip-172-31-80-28 home g cd /home/hadoop tctip-172-31-80-28 hadoop g ls low, tripdata_2017-01.csv vellow_tripdata_2017-02.csv tctipdata_2017-01.csv vellow_tripdata_2017-02.csv tctipdata_2017-01.csv vellow_tripdata_2017-02.csv tctipdata_2017-01.csv vellow_tripdata_2017-02.csv tctipdata_2017-01.csv vellow_tripdata_2017-02.csv tctipdata_2017-01.csv vellow_tripdata_2017-02.csv tctipdata_2017-01.csv vellow_tripdata_2017-02.csv tctipdata_2018-01.csv vellow_tripdata_2017-02.csv tctipdata_2018-01.csv vellow_tripdata_2017-02.csv tctipdata_2018-01.csv vellow_tripdata_2018-01.csv v
low_tripdata_2017-01.csv 'pellow_tripdata_2017-02.csv tetip-17-2-31-80-28 hadoop  exit  out oloop@ip-172-31-80-28 not hadoop hexit  out oloop@ip-172-31-80-28 ~]\$ mysql -h demodb.c@tcmelmutfo.us-east-1.rds.amazonaws.com -P 3306 -u admin -p  or password: one to the MariaDB monitor. Commands end with; or \g.  WySQl connection id is 39  ver version: 8.0-32 Source distribution  vright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.  s 'help;' or '\h' for help. Type '\c' to clear the current input statement.  Ol (Innow]) use vellowtrip_data; ding table information for completion of table and column names can turn off this feature to get a quicker startup with -A
come to the MariaDB monitor. Commands end with ; or \g. WPSQL connection id is 39 ver version: 8.8.32 Source distribution vright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.  * 'help;' or '\h' for help. Type '\c' 'to clear the current input statement.  2L [(none)]> use yellowtrip_data; ding table information for completion of table and column names can turn off this feature to get a quicker startup with -A
right (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.  b 'help;' or '\h' for help. Type '\c' to clear the current input statement.  DL [(none)]> use yellowtrip_data;  ding table information for completion of table and column names  can turn off this feature to get a quicker startup with -A
b 'help;' or '\h' for help. Type '\c' to clear the current input statement.  [[(none]]] use yellowtrip_data;  ing table information for completion of table and column names  can turn off this feature to get a quicker startup with -A
DL [(none)]> use yellowtrip_data;  ding table information for completion of table and column names  can turn off this feature to get a quicker startup with -A
ding table information for completion of table and column names can turn off this feature to get a quicker startup with -A
can turn off this feature to get a quicker startup with -A
abase changed
L [yellowtrip_data]> LOAD DATA LOCAL INFILE '/home/hadoop/yellow_tripdata_2017-01.csv'
-> INTO TABLE data -> FILED STERMINATED BY ','
-> LINES TERMINATED BY '\n' -> LINES; LINES;
y OK, 2 rows affected, 65535 warnings (58.22 sec)
rds: 9710820 Deleted: 0 Skipped: 9710818 Warnings: 29132458
L [yellowtrip_data]> select * from data;
ndorID   tpep_pickup_datetime   tpep_dropoff_datetime   passenger_count   trip_distance   RatecodeID   store_and_fwd_flag   PULocationID   DOLocationID   payment_type   fare_amount   colls amount   totals amount = for provement surphyrapre   total amount   connection surcharpe   sizebate   sizeba
1   2017-01-01 00:32:05   2017-01-01 00:37:48   1   1.2   1   N   140   236   2   6.5   0.5   0.6   0   0   0   0   0   0   0   0   0

2 rows in set (0.00 sec)

MySQL [yellowtrip\_data]> LOAD DATA LOCAL INFILE '/home/hadoop/yellow\_tripdata\_2017-02.csv' INTO TABLE data FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n' IGNORE 1 LINES; Query OK, 0 rows affected, 65536 warrings (43.4% sec)
Records: 120775 Delted: 0 Skipped: 9169775 Warrings: 27509225

MySQL [yellowtrip\_data]>

```
1000; [1000] | 11:53:54 (11.8 MPA) - 'yellow_tripdate_2017-66.cay' saved [1000204097] | 10:50:55 (11.8 MPA) - 'yellow_tripdate_2017-66.cay' saved [100020409] | 10:50:55 (11.8 MPA) - 'yellow_tripdate_2017-66.cay' saved [100020400] | 10:50:55 (11.8 MPA) - 'yellow_tripdate_2017-66.cay' saved [1000204000] | 10:50:55 (11.8 MPA) - 'yellow_tripdate_2017-66.cay' saved [100020400] | 10:50:55 (
```