Data Ingestion from the RDS to HDFS using Sqoop

Sqoop Import command used for importing table from RDS to HDFS:

sqoop import \
--connect jdbc:mysql://upgraddetest.cyaielc9bmnf.us-east-1.rds.amazonaws.com/testdatabase \
--table SRC_ATM_TRANS \
--username student --password STUDENT123 \
--target-dir /user/root/atm_data_ingest \
-m 1 --as-textfile

Command used to see the list of imported data in HDFS:

hadoop fs -ls /user/root/atm_data_ingest

Screenshot of the imported data:

```
Map-Reduce Framework
        Map input records=2468572
        Map output records=2468572
        Input split bytes=87
        Spilled Records=0
        Failed Shuffles=0
        Merged Map outputs=0
        GC time elapsed (ms)=262
        CPU time spent (ms)=28100
        Physical memory (bytes) snapshot=631414784
        Virtual memory (bytes) snapshot=3359690752
        Total committed heap usage (bytes)=532676608
File Input Format Counters
        Bytes Read=0
File Output Format Counters
        Bytes Written=531214815
22/02/02 14:42:08 INFO mapreduce.ImportJobBase: Transferred 506.6059 MB in 53.1525 seconds (9.5312 MB/sec)
22/02/02 14:42:08 INFO mapreduce.ImportJobBase: Retrieved 2468572 records.


[[root@ip-10-0-0-228 mysql-connector-java-8.0.25]# hadoop fs -ls /user/root/atm_data_ingest
Found 2 items
-rw-r--r--   1 root hadoop          0 2022-02-02 14:42 /user/root/atm_data_ingest/_SUCCESS
-rw-r--r--   1 root hadoop  531214815 2022-02-02 14:42 /user/root/atm_data_ingest/part-m-00000
[root@ip-10-0-0-228 mysql-connector-java-8.0.25]#
```

Data display:

```
[root@ip-10-0-0-228 ~]# hadoop fs -cat /user/root/atm_data_ingest/part-m-00000 |head -n 5
2017,January,1,Sunday,0,Active,1,NCR,NÃƒÂ¦stved,Farimagsvej,8,4700,55.233,11.763,DKK,MasterCard,5643,Withdrawal,,,55.230,11.761,2616038,Naestved,281.150,1014,87,7,260,0.215,92,500,Rain,light rain
2017,January,1,Sunday,0,Inactive,2,NCR,Vejgaard,Hadsundvej,20,9000,57.043,9.950,DKK,MasterCard,1764,Withdrawal,,,57.048,9.935,2616235,NÃƒÂ¸rresundby,280.640,1020,93,9,250,0.590,92,500,Rain,light rain
2017,January,1,Sunday,0,Inactive,2,NCR,Vejgaard,Hadsundvej,20,9000,57.043,9.950,DKK,VISA,1891,Withdrawal,,,57.048,9.935,2616235,NÃƒÂ¸rresundby,280.640,1020,93,9,250,0.590,92,500,Rain,light rain
2017,January,1,Sunday,0,Inactive,3,NCR,Ikast,RÃƒÂ¥dhusstrÃƒÂ¦det,12,7430,56.139,9.154,DKK,VISA,4166,Withdrawal,,,56.139,9.158,2619426,Ikast,281.150,1011,100,6,240,0.000,75,300,Drizzle,light intensity drizzle
2017,January,1,Sunday,0,Active,4,NCR,Svogerslev,BrÃƒÂ¸nsager,1,4000,55.634,12.018,DKK,MasterCard,5153,Withdrawal,,,55.642,12.080,2614481,Roskilde,280.610,1014,87,7,260,0.000,88,701,Mist,mist
```