Data Ingestion from RDS to HDFS using Sqoop

1. 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/bank_atm_project \
-m 1
```

```
[root@ip-172-31-88-50 ~]# sqoop import \
> --connect jdbc:mysql://upgraddetest.cyaielc9bmnf.us-east-1.rds.amazonaws.com/t estdatabase \
> --table SRC_ATM_TRANS \
> --username student --password STUDENT123 \
> --target-dir /user/root/bank_atm_project \
> -m 1
```

```
22/11/19 03:10:13 INFO mapreduce.Job: map 0% reduce 0% 22/11/19 03:10:40 INFO mapreduce.Job: map 100% reduce 0% 22/11/19 03:10:40 INFO mapreduce.Job: Job job_1668826472141_0001 completed succe
ssfully 22/11/19 03:10:40 INFO mapreduce.Job: Counters: 30
                File System Counters
                                 FILE: Number of bytes read=0
                                 FILE: Number of bytes written=189689
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
                                 HDFS: Number of bytes read=87
                                 HDFS: Number of read operations=4
HDFS: Number of large read operations=0
HDFS: Number of write operations=2
                                  Launched map tasks=1
                                 Other local map tasks=1
                                 Total time spent by all maps in occupied slots (ms)=1144992
Total time spent by all reduces in occupied slots (ms)=0
Total time spent by all map tasks (ms)=23854
Total vcore-milliseconds taken by all map tasks=23854
Total megabyte-milliseconds taken by all map tasks=36639744
                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)=315
                                 CPU time spent (ms) = 26480
                                 Physical memory (bytes) snapshot=625647616
Virtual memory (bytes) snapshot=3286245376
Total committed heap usage (bytes)=535298048
                 File Input Format Counters
                                 Bytes Read=0
                 File Output Format Counters
                                 Bytes Written=531214815
22/11/19 03:10:40 INFO mapreduce.ImportJobBase: Transferred 506.6059 MB in 45.46 22 seconds (11.1435 MB/sec) 22/11/19 03:10:40 INFO mapreduce.ImportJobBase: Retrieved 2468572 records. [root@ip-172-31-88-50 ~]# [
```

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

hadoop fs -ls /user/root/bank_atm_project

3. Command used to view the imported data in HDFS:

hadoop fs -cat /user/root/bank_atm_project/part-m-00000

Screenshot of imported data