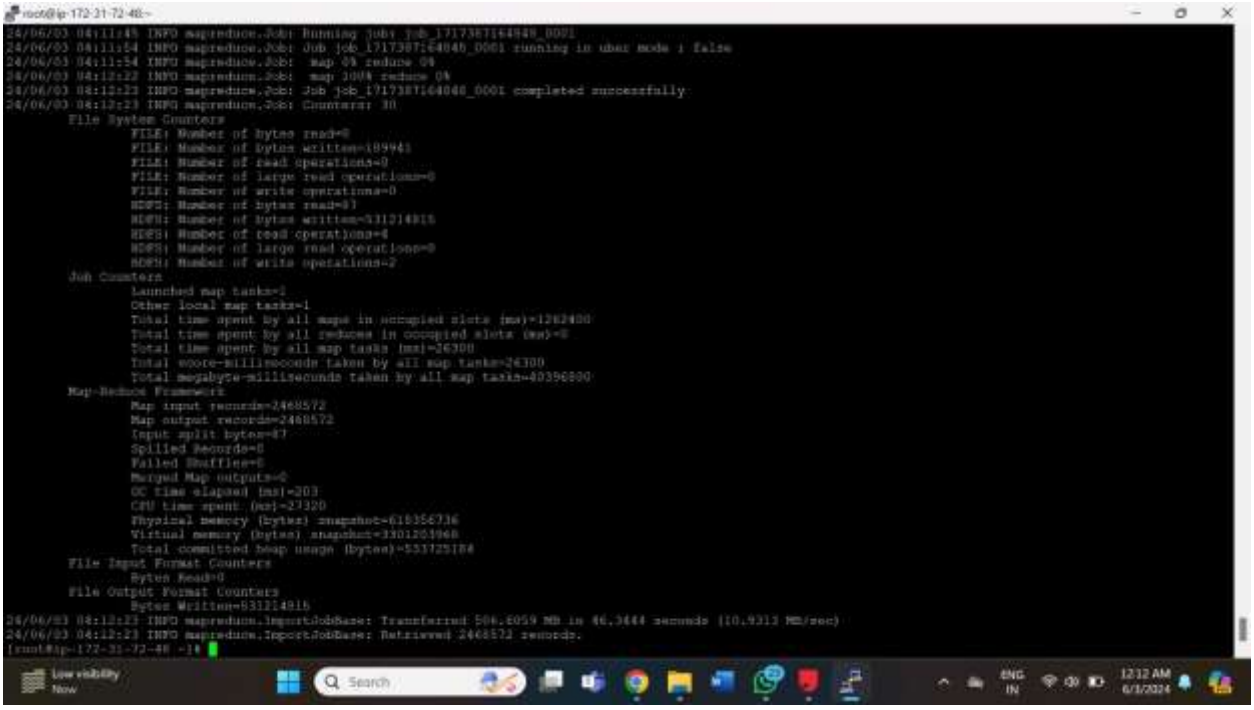
Data Ingestion from the RDS to HDFS using Sqoop

wget hppt://de-mysql-connector.s3.amazonaws.com/mysql-connector-java-8.0.25.tar.gz
tar -xvf mysql-connector-java-8.0.25.tar.gz
cd mysql-connector-java-8.0.25 /
sudo cp mysql-connector-java-8.0.25.jar /usr/lib/sqoop/lib

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/etl_spar_nord_atm \
> --m 1
```



We can see in this screenshot that 506.6059 MB of data was imported. Sqoop command retrieved 2468572 records in total.

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

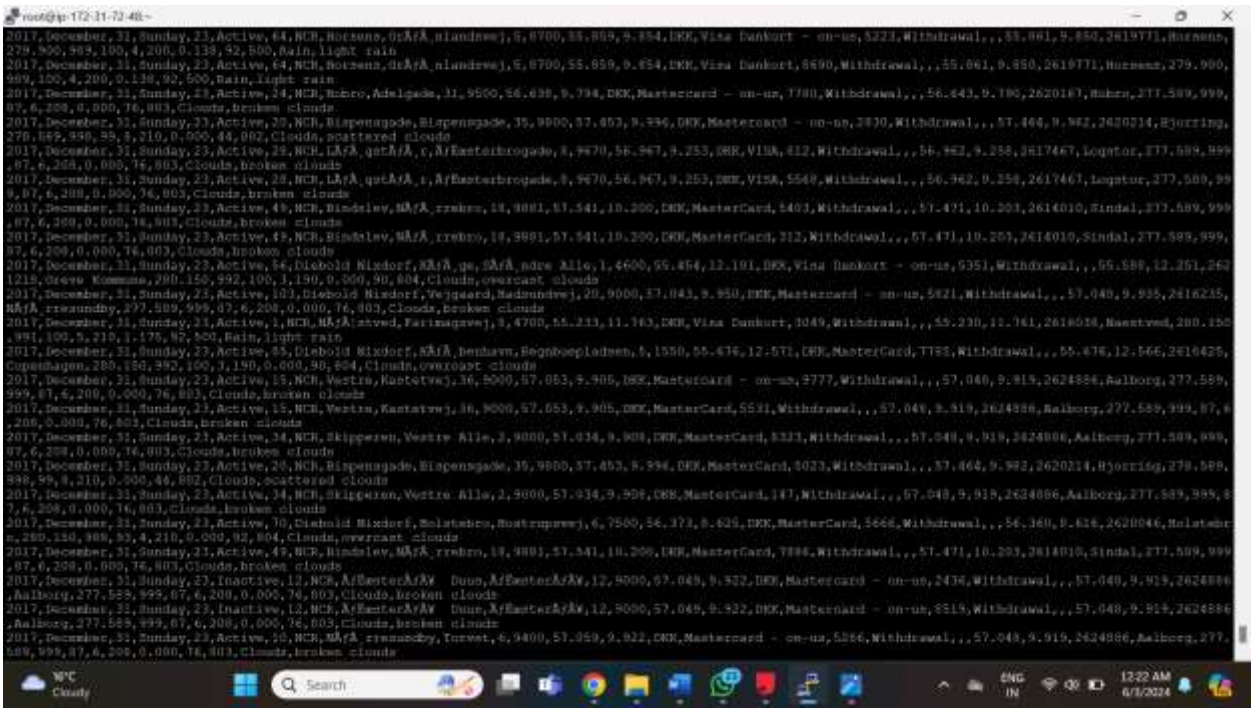
hdfs dfs -ls /user/root/etl_spar_nord_atm

```
[root@ip-172-31-72-48 ~]# hdfs dfs -ls /user/root/etl_spar_nord_atm
\Found 2 items
-rw-r--r--   1 root hadoop          0 2024-06-03 04:12 /user/root/etl_spar_nord_atm/_SUCCESS
-rw-r--r--   1 root hadoop  531214815 2024-06-03 04:12 /user/root/etl_spar_nord_atm/part-m-00000
```

Since, I used only one mapper, data is imported in only one file which is **“part-m-0000”.**

Screenshot of the imported data:

1. hdfs dfs -cat /user/root/etl_spar_nord_atm/part-m-0000



Screenshot of the portion of the data read from **“part-m-0000”.**

2. hdfs dfs -cat /user/root/etl_spar_nord_atm/part-m-00000 | wc -l

```
[root@ip-172-31-72-48 ~]# hdfs dfs -cat /user/root/etl_spar_nord_atm/part-m-00000 | wc -l
2468572
```