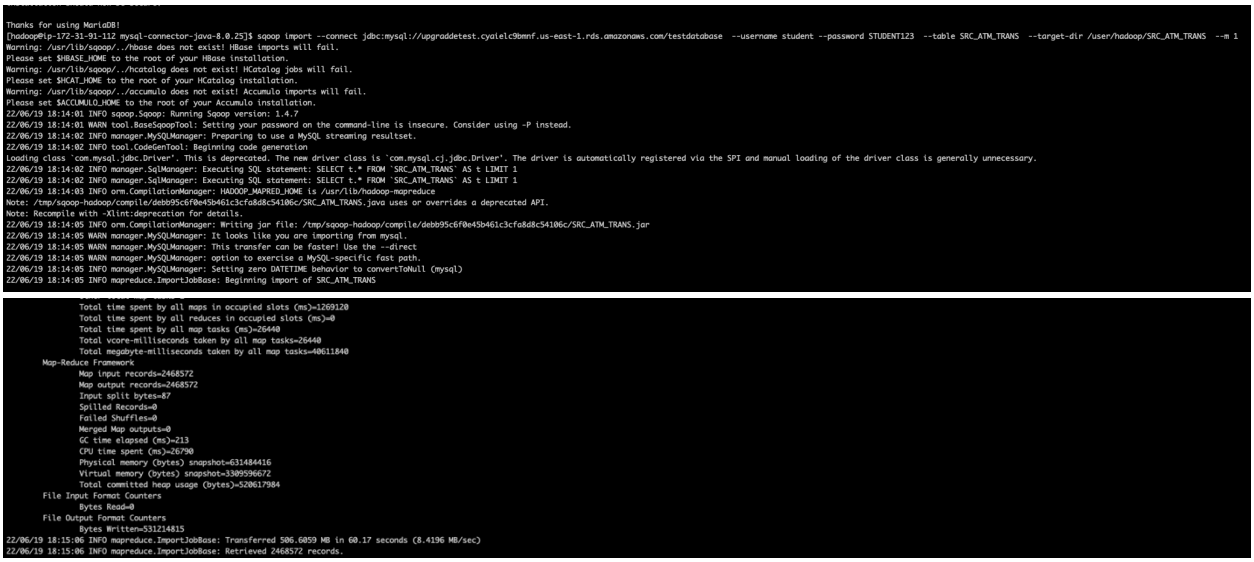
Data Ingestion from the RDS to HDFS using Sqoop

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

I used the sqoop command to import the ATM transactions data from RDS to Hadoop HDFS directory.

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



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

Used the command line to see the imported data in the following hdfs directory:

hadoop fs -cat /user/hadoop/SRC_ATM_TRANS/part-m-00000

part-m-00000 contains the csv of the imported file

Screenshot of the imported data:

```
2017,December,3,Sunday,11,Active,101,NCR,Bryggen  Vejle,SÃƒÂ¸nderbrogade,2,7100,55.705,9.532,DKK,MasterCard,7919,Withdrawal,,,55.709,9.536,2610613,Vejle,279.140,1014,87,5,280,0.000,56,300,Drizzle,light intensity drizzle
2017,December,3,Sunday,11,Active,34,NCR,Skipperen,Vestre Alle,2,9000,57.034,9.908,DKK,MasterCard,1594,Withdrawal,,,57.048,9.919,2624886,Aalborg,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,37,NCR,Silkeborg,Borgergade,36,8600,56.179,9.552,DKK,Visa Dankort,4212,Withdrawal,,,56.170,9.545,2614030,Silkeborg,279.810,1013,81,4,270,0.000,44,300,Drizzle,light intensity drizzle
2017,December,3,Sunday,11,Active,80,NCR,Menu KÃƒÂ¸bmand Klarup,Klarupvej,52,9270,57.013,10.046,DKK,MasterCard,6277,Withdrawal,,,57.004,10.101,2612301,Storvorde,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,78,Diebold Nixdorf,Nyborg,Vestergade,35,5800,55.318,10.781,DKK,Visa Dankort - on-us,8751,Withdrawal,,,55.060,10.607,2612045,Svendborg,278.990,1015,93,2,260,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,15,NCR,Vestre,Kastetvej,36,9000,57.053,9.905,DKK,Visa Dankort,4924,Withdrawal,,,57.048,9.919,2624886,Aalborg,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,48,Diebold Nixdorf,BrÃƒÂ¸nderslev,Algade,4,9700,57.269,9.945,DKK,Mastercard - on-us,8366,Withdrawal,,,57.118,9.857,2610823,Vadum,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,40,Diebold Nixdorf,Frederikshavn,Danmarksgade,48,9900,57.441,10.537,DKK,Visa Dankort - on-us,7060,Withdrawal,,,57.441,10.537,2621927,Frederikshavn,281.157,1021,98,10,310,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,71,NCR,AalbÃƒÂ¦k,Centralvej,5,9982,57.593,10.412,DKK,MasterCard,199,Withdrawal,,,57.492,10.496,2612274,Strandby,280.407,1021,97,9,314,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,61,NCR,Esbjerg,Strandbygade,20,6700,55.468,8.440,DKK,Visa Dankort - on-us,9818,Withdrawal,,,55.467,8.450,2622447,Esbjerg,279.720,1015,87,5,320,0.000,36,300,Drizzle,light intensity drizzle
2017,December,3,Sunday,11,Active,4,NCR,Svogerslev,BrÃƒÂ¦nager,1,4000,55.634,12.018,DKK,Visa Dankort,8491,Withdrawal,,,55.642,12.080,2614481,Roskilde,278.150,1013,100,4,240,0.000,75,803,Clouds,broken clouds
2017,December,3,Sunday,11,Active,43,NCR,Aars,Himmerlandsgade,70,9600,56.803,9.518,DKK,Visa Dankort - on-us,3000,Withdrawal,,,56.804,9.514,2624602,Aars,280.150,1013,87,4,270,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,1,NCR,NÃƒÂ¦stved,Farimagsvej,8,4700,55.233,11.763,DKK,Visa Dankort,9527,Withdrawal,,,55.230,11.761,2616038,Naestved,278.150,1013,100,4,240,0.000,75,803,Clouds,broken clouds
2017,December,3,Sunday,11,Active,33,NCR,Vadum,Ellehammersvej,43,9430,57.118,9.861,DKK,Visa Dankort - on-us,8638,Withdrawal,,,57.118,9.857,2610823,Vadum,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,22,NCR,Roskilde,KÃƒÂ¸benhavnsvej,65,4000,55.642,12.106,DKK,Visa Dankort - on-us,4607,Withdrawal,,,55.642,12.080,2614481,Roskilde,278.150,1013,100,4,240,0.000,75,803,Clouds,broken clouds
2017,December,3,Sunday,11,Active,15,NCR,Vestre,Kastetvej,36,9000,57.053,9.905,DKK,Visa Dankort,7120,Withdrawal,,,57.048,9.919,2624886,Aalborg,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,21,NCR,Ã†ØsterÃ†Ã¥  MÃƒÂ¸ller,Ã†ØsterÃ†Ã¥,12,9000,57.049,9.922,DKK,Mastercard - on-us,1778,Withdrawal,,,57.048,9.919,2624886,Aalborg,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,36,NCR,HjÃƒÂ¸rring,Ã†Østergade,8,9800,57.459,9.988,DKK,Mastercard - on-us,7532,Withdrawal,,,57.464,9.982,2620214,Hjorring,280.407,1021,97,9,314,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,108,NCR,HÃƒÂ¸rning Hallen,Toftevej,53,8362,56.091,10.033,DKK,Visa Dankort,2326,Withdrawal,,,56.157,10.211,2624652,Arhus,280.150,1012,87,5,270,0.000,8,800,Clear,sky is clear
2017,December,3,Sunday,11,Active,25,Diebold Nixdorf,Odense,FÃƒÂ¦lledvej,3,5000,55.394,10.370,DKK,Visa Dankort,9035,Withdrawal,,,55.396,10.388,2615876,Odense,279.150,1014,93,3,260,0.000,40,802,Clouds,scattered clouds
2017,December,3,Sunday,11,Active,43,NCR,Aars,Himmerlandsgade,70,9600,56.803,9.518,DKK,Dankort,8196,Withdrawal,,,56.804,9.514,2624602,Aars,280.150,1013,87,4,270,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,60,NCR,Hirtshals,JÃƒÂ¦gen Fibigersgade,4,9850,57.591,9.957,DKK,Visa Dankort - on-us,3874,Withdrawal,,,57.588,9.959,2620279,Hirtshals,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,9,Diebold Nixdorf,Hadsund,Storegade,12,9560,56.716,10.114,DKK,Visa Dankort - on-us,4782,Withdrawal,,,56.715,10.117,2620952,Hadsund,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,21,NCR,Ã†ØsterÃ†Ã¥  MÃƒÂ¸ller,Ã†ØsterÃ†Ã¥,12,9000,57.049,9.922,DKK,Mastercard - on-us,2288,Withdrawal,,,57.048,9.919,2624886,Aalborg,279.432,1022,92,7,299,0.000,0,800,Clear,Sky is Clear
2017,December,3,Sunday,11,Active,66,NCR,Brugsen ANS,SÃƒÂ¸ndermarksgade,14,8643,56.306,9.594,DKK,MasterCard,7095,Withdrawal,,,56.170,9.545,2614030,Silkeborg,279.810,1013,81,4,270,0.000,44,300,Drizzle,light intensity drizzle
2017,December,3,Sunday,11,Active,22,NCR,Roskilde,KÃƒÂ¸benhavnsvej,65,4000,55.642,12.106,DKK,Mastercard - on-us,8609,Withdrawal,,,55.642,12.080,2614481,Roskilde,278.150,1013,100,4,240,0.000,75,803,Clouds,broken clouds
2017,December,3,Sunday,11,Active,1,NCR,NÃƒÂ¦stved,Farimagsvej,8,4700,55.233,11.763,DKK,VISA,1760,Withdrawal,,,55.230,11.761,2616038,Naestved,278.150,1013,100,4,240,0.000,75,803,Clouds,broken clouds
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