

Load data from AWS RDS to Hadoop

<Command to import data from AWS RDS to Hadoop>

```
sqoop import --connect jdbc:mysql://upgradtest.cyaielc9bmnf.us-east-1.rds.amazonaws.com/testdatabase --table bookings --username student --password STUDENT123 --target-dir user/ec2-user/bookings_data -m 1
```

<Command to view the imported data>

```
hadoop fs -ls user/ec2-user/bookings_data
hadoop fs -cat user/ec2-user/bookings_data/part-m-00000
hadoop fs -cat user/ec2-user/bookings_data/part-m-00000 | wc -l
```

<Screenshot of the data>

Command 1: `hadoop fs -ls user/ec2-user/bookings_data`

```
[hadoop@ip-172-31-31-78 ~]$ hadoop fs -ls user/ec2-user/bookings_data
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/lib/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/share/aws/emr/emrfs/lib/slf4j-log4j12-1.7.12.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
Found 2 items
-rw-r--r-- 1 hadoop hdfsadmin group 0 2022-01-23 13:46 user/ec2-user/bookings_data/_SUCCESS
-rw-r--r-- 1 hadoop hdfsadmin group 165678 2022-01-23 13:46 user/ec2-user/bookings_data/part-m-00000
```

Command 2: `hadoop fs -cat user/ec2-user/bookings_data/part-m-00000`

```
[hadoop@ip-172-31-31-78 ~]$ hadoop fs -cat user/ec2-user/bookings_data/part-m-00000
SLF4J: Class path contains multiple SLF4J bindings.
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SLF4J: Found binding in [jar:file:/usr/share/aws/emr/emrfs/lib/slf4j-log4j12-1.7.12.jar!/org/slf4j/impl/StaticLoggerBinder.class]
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BK968807150,51811359,15855660,2.2.14,Android,-49.4319655,103.917851,-58.8843875,144.477367,2020-06-23 19:33:10,0,2020-06-06 09:02:10,0,534,83,INR,black,054-38-4479,4,3,3
BK229851904,31663218,60872180,3.4.1.iOS,-83.5408405,175.80085,86.20705,128.367238,2020-05-23 12:22:04,0,2020-08-09 19:02:56,0,126,67,INR,lime,796-39-6881,3,2,4
BK1797418350,86869399,94276051,4.1.36,iOS,-67.8930645,55.234128,-51.1079,-31.87475,2020-05-19 14:14:32,0,2020-08-23 18:38:39,0,297,63,INR,olive,748-73-1579,1,3,3
BK5788246325,58238837,45657227,2.4.27,Android,13.787887,113.499943,54.3812915,-18.437751,2020-03-24 01:30:15,0,2020-05-19 11:16:45,0,932,32,INR,white,558-88-6346,3,2,2
BK8342783255,84232510,86494681,4.1.34,Android,-6.091461,-114.649789,22.8449585,70.137827,2020-08-03 19:18:52,0,2020-03-24 08:25:48,0,268,7,INR,blue,068-72-1637,3,3,3
BK4015582453,11981042,35862658,2.4.39,iOS,-18.910034,-70.193103,-10.182921,173.877213,2020-07-17 05:33:48,0,2020-04-30 04:54:27,0,987,53,INR,purple,102-10-5639,3,2,3
BK4529355854,60871878,78822360,2.1.9,iOS,1.215274,-56.014903,35.152876,194.324905,2020-01-02 01:48:40,0,2020-02-16 04:28:55,0,547,17,INR,teal,866-83-4349,2,3,4
BK9720088219,14327312,94427067,3.1.2,Android,-55.4822225,173.362256,65.0121265,51.390751,2020-04-10 15:11:07,0,2020-01-20 21:17:42,0,259,33,INR,maroon,572-73-6526,3,3,2
BK7157532607,46407210,43160003,1.3.4,Android,46.005843,-16.826146,7.6126015,-156.428577,2020-06-09 05:56:31,0,2020-03-19 01:53:16,0,787,21,INR,olive,667-23-5880,2,2,3
BK5014871433,65861573,64708618,1.3.28,iOS,-29.565326,64.843709,84.068109,-49.820835,2020-08-14 28:43:42,0,2020-06-03 09:39:59,0,586,5,INR,fuchsia,255-52-5654,5,5,1
BK9051488736,37721758,27297770,2.3.13,Android,61.9364605,83.247805,0.0281895,115.469099,2020-04-07 04:27:59,0,2020-09-29 10:51:41,0,912,80,INR,aqua,739-09-9569,2,1,2
BK243762319,62552969,46877457,3.3.9,iOS,-62.6515159,-139.154828,28.0299996,-62.8556,2020-07-01 00:36:05,0,2020-09-30 17:40:23,0,821,23,INR,black,590-44-6613,2,3,4
BK468395168,66801961,53401707,4.2.34,iOS,-5.860265,-100.804839,25.016591,70.471358,2020-05-03 18:17:56,0,2020-06-08 09:11:27,0,71,10,INR,fuchsia,454-84-8688,5,2,3
BK9783284253,66989721,48509584,2.2.22,Android,36.1913155,5.686244,88.988393,36.580599,2020-03-05 16:02:01,0,2020-05-29 13:36:15,0,26,81,INR,black,680-17-7043,3,1,3
BK2880021380,50163555,34005420,3.4.23,Android,-83.86599,106.248689,8.8308855,74.872352,2020-01-15 02:00:07,0,2020-05-12 21:53:04,0,571,99,INR,navy,586-09-4981,1,5,3
BK4537426843,91111754,59258769,1.2.19,iOS,-43.1188435,-99.935719,3.7026225,-46.828716,2020-04-28 05:18:34,0,2020-02-12 11:31:40,0,650,81,INR,white,362-35-8854,5,5,2
BK998130731,67875357,14562526,3.1.15,Android,-10.861959,-111.989853,57.233121,95.469986,2020-01-25 01:37:22,0,2020-04-28 09:42:00,0,590,3,INR,teal,359-51-9362,1,1,4
BK5645323730,18442993,84939946,3.1.29,Android,-81.472235,-88.404916,12.690818,-140.99768,2020-09-24 08:18:31,0,2020-07-16 05:12:24,0,515,1,INR,blue,024-35-8771,1,3,4
BK6163608113,36591778,11946210,4.2.38,Android,60.2836385,120.988501,32.183263,-50.551889,2020-07-26 06:12:56,0,2020-04-23 06:57:20,0,810,58,INR,silver,833-16-1378,3,5,1
BK6803373649,28382386,97222676,2.1.18,iOS,6.540056,161.083998,-12.943502,-148.232621,2020-09-20 15:52:49,0,2020-09-17 03:13:26,0,927,74,INR,maroon,747-70-5557,2,2,4
BK9764570897,61225539,15265942,4.4.14,iOS,80.7211615,179.695812,-33.345655,134.010372,2020-01-26 02:20:39,0,2020-06-12 15:05:49,0,246,72,INR,blue,332-71-7565,5,1,2
BK8362601204,79115927,60281490,3.4.16,iOS,-9.4458645,101.745883,80.264612,-46.718091,2020-09-03 13:32:13,0,2020-02-01 21:02:21,0,887,88,INR,blue,225-31-0761,4,1,1
BK6225330481,51118772,58392277,3.3.27,iOS,68.1386075,141.450665,-6.926722,-64.24554,2020-05-11 06:25:10,0,2020-06-29 09:31:03,0,429,18,INR,purple,229-41-2152,5,1,3
BK785297548,13229062,95750789,4.1.14,Android,-57.959554,-172.155846,1.667888,126.729718,2020-04-18 20:12:36,0,2020-01-14 09:07:36,0,35,63,INR,white,681-74-4532,2,3,3
BK2170342110,76255097,74317472,3.4.11,Android,14.3796175,17.089235,69.156995,67.210169,2020-10-01 10:46:07,0,2020-03-27 22:30:08,0,927,68,INR,silver,677-83-5852,5,4,3
BK4218049091,862943148,402434611,4.2.9,Android,74.856469,-138.95093,-85.815584,104.108804,2020-08-22 18:58:02,0,2020-01-25 02:52:38,0,385,97,INR,navy,678-19-9649,2,4,2
```

Command 3: `hadoop fs -cat user/ec2-user/bookings_data/part-m-00000 | wc -l`

```
[hadoop@ip-172-31-31-78 ~]$ hadoop fs -cat user/ec2-user/bookings_data/part-m-00000 | wc -l
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1000
```

