Session 2: Assignment 1

Task 1:

We have a dataset of sales of different TV sets across different locations.

The fields are arranged like: Company Name|Product Name|Size in inches|State|Pin Code|Price
Records look like: Samsung|Optima|14|Madhya Pradesh|132401|14200

There are some invalid records which contain 'NA' in either Company Name or Product Name.

1. Write a MapReduce program to filter out the invalid records. Map only job will fit for this context.

Output for filter out invalid records: Total number of input count was 18 which consist of 2 invalid records. After removing the count of output is 16. Below the screenshot of the output.

```
[acadgild@localhost ~]$ hadoop jar tv_set.jar com.tv_set.tv_set /tv_set.txt /out_tv8
18/07/29 21:42:59 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where
18/07/29 21:43:01 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/07/29 21:43:02 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and
his.
18/07/29 21:43:02 INFO input.FileInputFormat: Total input paths to process : 1
18/07/29 21:43:03 INFO mapreduce.JobSubmitter: number of splits:1
18/07/29 21:43:03 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1532876630081_0009
18/07/29 21:43:03 INFO impl.YarnClientImpl: Submitted application application_1532876630081_0009
18/07/29 21:43:03 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1532876630081_0009/
18/07/29 21:43:03 INFO mapreduce.Job: Running job: job_1532876630081_0009
18/07/29 21:43:14 INFO mapreduce.Job: Job job_1532876630081_0009 running in uber mode : false
18/07/29 21:43:14 INFO mapreduce.Job:  map 0% reduce 0%
18/07/29 21:43:21 INFO mapreduce.Job:  map 100% reduce 0%
18/07/29 21:43:29 INFO mapreduce.Job:  map 100% reduce 100%
18/07/29 21:43:29 INFO mapreduce.Job: Job job_1532876630081_0009 completed successfully
18/07/29 21:43:29 INFO mapreduce.Job: Counters: 49
        File System Counters
                FILE: Number of bytes read=204
                FILE: Number of bytes written=216043
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
                FILE: Number of write operations=0
                HDFS: Number of bytes read=814
                HDFS: Number of bytes written=150
                HDFS: Number of read operations=6
                HDFS: Number of large read operations=0
                HDFS: Number of write operations=2
        Job Counters
```

```
                  WRONG_REDUCE=0
          File Input Format Counters
                  Bytes Read=717
          File Output Format Counters
                  Bytes Written=150
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /out_tv8/part-r-00000
18/07/29 21:43:38 WARN util.NativeCodeLoader: Unable to load native-hadoop librar
Akai      16
Lava      20
Lava      20
Lava      20
Onida     14
Onida     18
Onida     18
Samsung 14
Samsung 14
Samsung 14
Samsung 16
Samsung 14
Samsung 14
Samsung 14
Zen       14
Zen       14
[acadgild@localhost ~]$
```

2.Write a MapReduce program to calculate the total units sold for each Company

Output for total units sold for each company

```
[acadgild@localhost ~]$ hadoop jar tv_set.jar com.tv_set.tv_set /tv_set.txt /out_tv9
18/07/29 21:57:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java class
18/07/29 21:57:48 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/07/29 21:57:49 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool inter
his.
18/07/29 21:57:50 INFO input.FileInputFormat: Total input paths to process : 1
18/07/29 21:57:50 INFO mapreduce.JobSubmitter: number of splits:1
18/07/29 21:57:50 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1532876630081_0010
18/07/29 21:57:50 INFO impl.YarnClientImpl: Submitted application application_1532876630081_0010
18/07/29 21:57:51 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1532876630081_0010/
18/07/29 21:57:51 INFO mapreduce.Job: Running job: job_1532876630081_0010
18/07/29 21:58:00 INFO mapreduce.Job: Job job_1532876630081_0010 running in uber mode : false
18/07/29 21:58:00 INFO mapreduce.Job:  map 0% reduce 0%
18/07/29 21:58:07 INFO mapreduce.Job:  map 100% reduce 0%
18/07/29 21:58:15 INFO mapreduce.Job:  map 100% reduce 100%
18/07/29 21:58:16 INFO mapreduce.Job: Job job_1532876630081_0010 completed successfully
18/07/29 21:58:16 INFO mapreduce.Job: Counters: 49
        File System Counters
                FILE: Number of bytes read=204
                FILE: Number of bytes written=216363
                FILE: Number of read operations=0
```

```
                BAD_ID=0
                CONNECTION=0
                IO_ERROR=0
                WRONG_LENGTH=0
                WRONG_MAP=0
                WRONG_REDUCE=0
        File Input Format Counters
                Bytes Read=717
        File Output Format Counters
                Bytes Written=44
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop_fs -cat /out_tv9/part-r-00000
18/07/29 21:58:26 WARN util.NativeCodeLoader: Unable to load native-hadoop library
Akai    16
Lava    60
Onida   50
Samsung 100
Zen     28
[acadgild@localhost ~]$ █
```

3. Write a MapReduce program to calculate the total units sold in each state for Onida company.

Output to calculate total units sold by Onida company in each state.

```
[acadgild@localhost ~]$ hadoop jar saletv.jar com.sale.sale tv /tv set.txt /sale tv out
18/07/29 23:04:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
18/07/29 23:04:53 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/07/29 23:04:54 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool in
his.
18/07/29 23:04:55 INFO input.FileInputFormat: Total input paths to process : 1
18/07/29 23:04:55 INFO mapreduce.JobSubmitter: number of splits:1
18/07/29 23:04:55 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1532876630081_0011
18/07/29 23:04:56 INFO impl.YarnClientImpl: Submitted application application_1532876630081_0011
18/07/29 23:04:56 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1532876630081_0011/
18/07/29 23:04:56 INFO mapreduce.Job: Running job: job_1532876630081_0011
18/07/29 23:05:07 INFO mapreduce.Job: Job job_1532876630081_0011 running in uber mode : false
18/07/29 23:05:07 INFO mapreduce.Job:  map 0% reduce 0%
18/07/29 23:05:14 INFO mapreduce.Job:  map 100% reduce 0%
18/07/29 23:05:22 INFO mapreduce.Job:  map 100% reduce 100%
18/07/29 23:05:23 INFO mapreduce.Job: Job job_1532876630081_0011 completed successfully
18/07/29 23:05:24 INFO mapreduce.Job: Counters: 49
```

```
        Shuffle Errors
                BAD_ID=0
                CONNECTION=0
                IO_ERROR=0
                WRONG_LENGTH=0
                WRONG_MAP=0
                WRONG_REDUCE=0
        File Input Format Counters
                Bytes Read=717
        File Output Format Counters
                Bytes Written=17
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /sale_tv_out/part-r-00000
18/07/29 23:05:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform.
Uttar Pradesh    50
```

Task 2:

Dataset is sample data of songs heard by users on an online streaming platform. The Description of data set attached in musicdata.txt is as follows: - Col_1 - UserId Col_2 - TrackId Col_3 - Songs Share status (1 for shared, 0 for not shared) Col_4 - Listening Platform (Radio or Web - 0 for radio, 1 for web) Col_5 - Song Listening Status (0 for skipped, 1 for fully heard) 1. Write MapReduce program for following tasks.

Task 1 Find the number of unique listeners in the data set.

Output for Unique Listener

```
[acadgild@localhost ~]$ hadoop jar radio23.jar com.mapreduce.radio /music6.txt /temp_out19
18/07/28 20:39:21 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applic
18/07/28 20:39:22 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/07/28 20:39:23 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execut
his.
18/07/28 20:39:24 INFO input.FileInputFormat: Total input paths to process : 1
18/07/28 20:39:24 INFO mapreduce.JobSubmitter: number of splits:1
18/07/28 20:39:24 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1532787160984_0014
18/07/28 20:39:24 INFO impl.YarnClientImpl: Submitted application application_1532787160984_0014
18/07/28 20:39:24 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1532787160984_0014/
18/07/28 20:39:24 INFO mapreduce.Job: Running job: job_1532787160984_0014
18/07/28 20:39:36 INFO mapreduce.Job: Job job_1532787160984_0014 running in uber mode : false
18/07/28 20:39:36 INFO mapreduce.Job:  map 0% reduce 0%
18/07/28 20:39:43 INFO mapreduce.Job:  map 100% reduce 0%
18/07/28 20:39:51 INFO mapreduce.Job:  map 100% reduce 100%
18/07/28 20:39:52 INFO mapreduce.Job: Job job_1532787160984_0014 completed successfully
18/07/28 20:39:52 INFO mapreduce.Job: Counters: 49
        File System Counters
                FILE: Number of bytes read=46
                FILE: Number of bytes written=216087
                FILE: Number of read operations=0
                FILE: Number of large read operations=0
                FILE: Number of write operations=0
                HDFS: Number of bytes read=165
```

```
                WRONG_MAP=0
                WRONG_REDUCE=0
        File Input Format Counters
                Bytes Read=68
        File Output Format Counters
                Bytes Written=27
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop_fs -ls /temp_out19
18/07/28 20:40:07 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using
Found 2 items
-rw-r--r--   1 acadgild supergroup          0 2018-07-28 20:39 /temp_out19/_SUCCESS
-rw-r--r--   1 acadgild supergroup         27 2018-07-28 20:39 /temp_out19/part-r-00000
[acadgild@localhost ~]$ hadoop_fs -cat /temp_out19/part-r-00000
18/07/28 20:40:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using
111113  1
111115  2
111117  1
[acadgild@localhost ~]$ ▌
```

Task 2 What are the number of times a song was heard fully.

Output for song listened fully

```
223     1
225     2
[acadgild@localhost ~]$ hadoop jar song.jar com.songListen.songListen /music6.txt /song_output
18/07/29 01:40:28 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java
18/07/29 01:40:29 INFO client.RMProxy: Connecting to ResourceManager at localhost/127.0.0.1:8032
18/07/29 01:40:30 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool
his.
18/07/29 01:40:30 INFO input.FileInputFormat: Total input paths to process : 1
18/07/29 01:40:30 INFO mapreduce.JobSubmitter: number of splits:1
18/07/29 01:40:31 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1532787160984_0035
18/07/29 01:40:31 INFO impl.YarnClientImpl: Submitted application application_1532787160984_0035
18/07/29 01:40:31 INFO mapreduce.Job: The url to track the job: http://localhost:8088/proxy/application_1532787160984_0035/
18/07/29 01:40:31 INFO mapreduce.Job: Running job: job_1532787160984_0035
18/07/29 01:40:42 INFO mapreduce.Job: Job job_1532787160984_0035 running in uber mode : false
18/07/29 01:40:42 INFO mapreduce.Job:  map 0% reduce 0%
18/07/29 01:40:50 INFO mapreduce.Job:  map 100% reduce 0%
18/07/29 01:40:59 INFO mapreduce.Job:  map 100% reduce 100%
18/07/29 01:40:59 INFO mapreduce.Job: Job job_1532787160984_0035 completed successfully
18/07/29 01:40:59 INFO mapreduce.Job: Counters: 49
        File System Counters
                FILE: Number of bytes read=16
                FILE: Number of bytes written=216063
```

```
                CONNECTION=0
                IO_ERROR=0
                WRONG_LENGTH=0
                WRONG_MAP=0
                WRONG_REDUCE=0
        File Input Format Counters
                Bytes Read=68
        File Output Format Counters
                Bytes Written=6
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /song_output/part-r-00000
18/07/29 01:41:42 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java
223     1
[acadgild@localhost ~]$ hadoop fs -cat /music6.txt
18/07/29 01:42:12 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java
111115|222|0|1|0
111113|225|1|0|0
111117|223|0|1|1
111115|225|1|0|0
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ▌
```

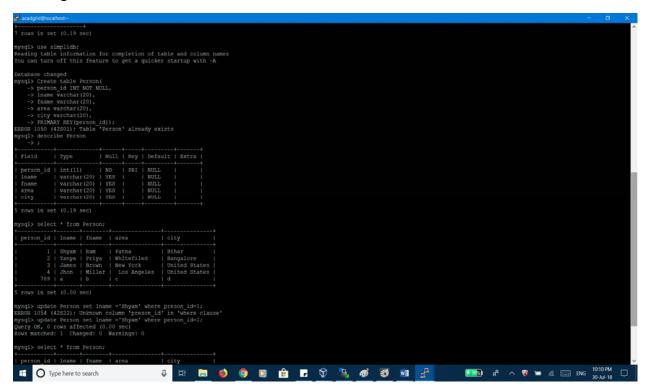**TASK 3 What are the number of times a song was shared.**

Output for song shared

Task 3: 1. Use Sqoop tool to export data present in SQOOPOUT folder made while demo of Import table

Creating tables Person

Command: Importing data from table Person into directory /sqoopout

  sqoop import –connect jdbc: mysql://localhost/simplidb –table Person --username root –password Root@123 target-dir /sqoopout

```
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ sqoop_import --connect jdbc:mysql://localhost/simplidb --table Person --username root --password Root@123 --target-dir /sqoopout
Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin__hadoop-2.0.4-alpha/../hcatalog does not exist! HCatalog jobs will fail.
Please set $HCAT_HOME to the root of your HCatalog installation.
Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin__hadoop-2.0.4-alpha/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
18/07/30 07:50:48 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6
18/07/30 07:50:48 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider using -P instead.
18/07/30 07:50:49 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
18/07/30 07:50:49 INFO tool.CodeGenTool: Beginning code generation
Mon Jul 30 07:50:49 IST 2018 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requirements
nection must be established by default if explicit option isn't set. For compliance with existing applications not using SSL the verifyServerCertificate property is set to 'false'.
 either to explicitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for server certificate verification.
18/07/30 07:50:50 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `Person` AS t LIMIT 1
18/07/30 07:50:50 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `Person` AS t LIMIT 1
18/07/30 07:50:50 INFO orm.CompilationManager: HADOOP_MAPRED_HOME is /home/acadgild/install/hadoop/hadoop-2.6.5
Note: /tmp/sqoop-acadgild/compile/97fe721b222a2e41ddf8368b9d27031e/Person.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
```

```
            Bytes Written=150
18/07/30 07:51:45 INFO mapreduce.ImportJobBase: Transferred 150 bytes in 48.3787 seconds (3.1005 bytes/sec)
18/07/30 07:51:45 INFO mapreduce.ImportJobBase: Retrieved 5 records.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /sqoopout
18/07/30 08:48:50 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using
Found 5 items                                                           builtin-java classes where applicable
-rw-r--r--   1 acadgild supergroup          0 2018-07-30 07:51 /sqoopout/_SUCCESS
-rw-r--r--   1 acadgild supergroup        138 2018-07-30 07:51 /sqoopout/part-m-00000
-rw-r--r--   1 acadgild supergroup          0 2018-07-30 07:51 /sqoopout/part-m-00001
-rw-r--r--   1 acadgild supergroup          0 2018-07-30 07:51 /sqoopout/part-m-00002
-rw-r--r--   1 acadgild supergroup         12 2018-07-30 07:51 /sqoopout/part-m-00003
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /sqoopout/part-r-00000
18/07/30 08:49:17 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
cat: `/sqoopout/part-r-00000': No such file or directory
[acadgild@localhost ~]$ hadoop fs -ls /sqoopout/part-r-00000
18/07/30 08:49:29 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
ls: `/sqoopout/part-r-00000': No such file or directory
[acadgild@localhost ~]$ hadoop fs -cat /sqoopout/part-m-00000
18/07/30 08:49:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Patna,Bihar,Ram,Shyam,1
Whitefiled,Bangalore,Priya,Tanya,2
New York,United States,Brown,James,3
 Los Angeles ,United States,Miller,Jhon,4
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /sqoopout/part-m-00003
18/07/30 08:50:01 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
c,d,b,a,789
```

Comments: Exporting data present in SQOOPOUT folder into database

Command: sqoop export --connect jdbc: mysql ://localhost/simplidb --username 'root' -P --table 'Person' --export-dir '/sqoopout' --input-fields-terminated-by ',' -m 1 --columns person_id,lname,fname,area,city

```
[acadgild@localhost ~]$ sqoop export --connect jdbc:mysql://localhost/simpldb --username 'root' -P --table 'Person' --export-dir '/sqoopout'
 city,area,fname,lname,person_id
Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin_hadoop-2.0.4-alpha/../hcatalog does not exist! HCatalog jobs will fail.
Please set $HCAT_HOME to the root of your HCatalog installation.
Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin_hadoop-2.0.4-alpha/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
18/07/30 12:26:11 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6
Enter password:
18/07/30 12:26:23 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
18/07/30 12:26:23 INFO tool.CodeGenTool: Beginning code generation
Mon Jul 30 12:26:24 IST 2018 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL
nection must be established by default if explicit option isn't set. For compliance with existing applications not using SSL the verifyServer
```

```
                Total time spent by all map tasks (ms)=7350
                Total vcore-milliseconds taken by all map tasks=7350
                Total megabyte-milliseconds taken by all map tasks=7526400
        Map-Reduce Framework
                Map input records=4
                Map output records=4
                Input split bytes=304
                Spilled Records=0
                Failed Shuffles=0
                Merged Map outputs=0
                GC time elapsed (ms)=76
                CPU time spent (ms)=1630
                Physical memory (bytes) snapshot=105508864
                Virtual memory (bytes) snapshot=2061332480
                Total committed heap usage (bytes)=32571392
        File Input Format Counters
                Bytes Read=0
        File Output Format Counters
                Bytes Written=0
18/07/30 12:26:56 INFO mapreduce.ExportJobBase: Transferred 451 bytes in 25.5733 seconds (17.6356 bytes/sec)
18/07/30 12:26:56 INFO mapreduce.ExportJobBase: Exported 4 records.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

```
mysql> delete from Person where person_id =4;
Query OK, 1 row affected (0.00 sec)

mysql> select * from Person;
Empty set (0.00 sec)

mysql> select * from Person;
+-----------+-------+--------+---------------+-------------+
| person_id | lname | fname  | area          | city        |
+-----------+-------+--------+---------------+-------------+
|         1 | Shyam | Ram    | Bihar         | Patna       |
|         2 | Tanya | Priya  | Bangalore     | Whitefield  |
|         3 | James | Brown  | United States | Newyork     |
|         4 | John  | Miller | United States | Los Angeles |
+-----------+-------+--------+---------------+-------------+
4 rows in set (0.00 sec)

mysql>
```

2. Use Sqoop tool to import data from the same mysql table where the person_id = 3 into a new hdfs directory SQOOP_FILTER

<u>Comments:</u> Executing command to import data with person_id="3" from table "Person" into directory "/SQOOP_FILTER" using below command.

sqoop import --connect jdbc:mysql://localhost/simplidb --table 'Person' --username root -P --target-dir '/SQOOP_FILTER' -m 1 --where person_id=3


```
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ sqoop import --connect jdbc:mysql://localhost/simplidb --table 'Person' --username root -P --target-dir '/SQOOP_FILTER' -m 1 --where person_id=3
Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin_hadoop-2.0.4-alpha/../hcatalog does not exist! HCatalog jobs will fail.
Please set $HCAT_HOME to the root of your HCatalog installation.
Warning: /home/acadgild/install/sqoop/sqoop-1.4.6.bin_hadoop-2.0.4-alpha/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
18/07/30 12:35:03 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6
Enter password:
18/07/30 12:35:09 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset.
18/07/30 12:35:09 INFO tool.CodeGenTool: Beginning code generation
Mon Jul 30 12:35:09 IST 2018 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requireme
nection must be established by default if explicit option isn't set. For compliance with existing applications not using SSL the verifyServerCertificate property is set to 'false
either to explicitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for server certificate verification.
18/07/30 12:35:10 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `Person` AS t LIMIT 1
18/07/30 12:35:10 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `Person` AS t LIMIT 1
```

```
                Spilled Records=0
                Failed Shuffles=0
                Merged Map outputs=0
                GC time elapsed (ms)=125
                CPU time spent (ms)=2240
                Physical memory (bytes) snapshot=107327488
                Virtual memory (bytes) snapshot=2063437824
                Total committed heap usage (bytes)=32571392
        File Input Format Counters
                Bytes Read=0
        File Output Format Counters
                Bytes Written=36
18/07/30 12:35:44 INFO mapreduce.ImportJobBase: Transferred 36 bytes in 29.0579 seconds (1.
18/07/30 12:35:44 INFO mapreduce.ImportJobBase: Retrieved 1 records.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /SQOOP_FILTER
18/07/30 12:36:16 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
Found 2 items
-rw-r--r--   1 acadgild supergroup          0 2018-07-30 12:35 /SQOOP_FILTER/_SUCCESS
-rw-r--r--   1 acadgild supergroup         36 2018-07-30 12:35 /SQOOP_FILTER/part-m-00000
[acadgild@localhost ~]$ hadoop fs -cat /SQOOP_FILTER/part-m-00000
18/07/30 12:36:32 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
United States,Newyork,Brown,James,3
[acadgild@localhost ~]$
```