**statement 1: Find out the districts who achieved 100 percent objective in BPL cards**

Export the results to mysql using sqoop

Pig Script to calculate 100% Objective

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File Name: StateObj.pig

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REGISTER /usr/local/pig/lib/piggybank.jar;

DEFINE XPath org.apache.pig.piggybank.evaluation.xml.XPath();

Data =  LOAD 'statewisedevelopment/state.xml' using
org.apache.pig.piggybank.storage.XMLLoader('row') as (x:chararray);

StateDet = FOREACH Data GENERATE XPath(x, 'row/State_Name') AS statename, XPath(x,
'row/District_Name') AS disname,XPath(x, 'row/Project_Objectives_IHHL_BPL') AS BPL,XPath(x,
'row/Project_Objectives_IHHL_TOTAL') AS total ;
```

ObjFiltered = FILTER StateDet BY BPL == total;

STORE ObjFiltered INTO '/home/acadgild/StateObj' USING PigStorage(',');

Files Present after executing the script using :

[acadgild@localhost ~]$pig -x local Stateobj.pig

[acadgild@localhost ~]$ ls /home/acadgild/StateObj

part-m-00000  _SUCCESS

Output Content

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[acadgild@localhost ~]$ cat /home/acadgild/StateObj/p*

Arunachal Pradesh,ANJAW,3232,3232

Arunachal Pradesh,DIBANG VALLEY,1085,1085
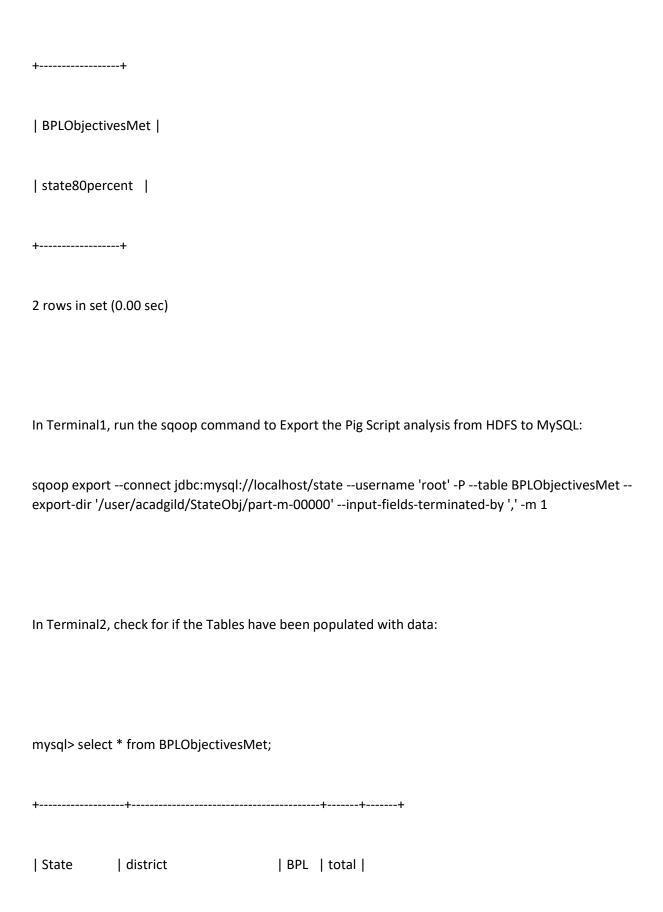
Arunachal Pradesh,KURUNG KUMEY,22036,22036

Arunachal Pradesh,LOHIT,8800,8800

Arunachal Pradesh,WEST SIANG,11472,11472

Bihar,BANKA,82439,82439

D & N Haveli,DADRA AND NAGAR HAVELI,2480,2480

Goa,NORTH GOA,15000,15000

Jammu & Kashmir,KARGIL,8475,8475

Jammu & Kashmir,KISHTWAR,22318,22318

Jammu & Kashmir,LEH (LADAKH),6090,6090

Jammu & Kashmir,REASI                ,21500,21500

Jammu & Kashmir,SAMBA                ,9849,9849

Jammu & Kashmir,SHOPIAN                ,10196,10196

Copy the output to HDFS

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[acadgild@localhost ~]$ hadoop fs -put StateObj /user/acadgild

Open another terminal:Terminal 2 and run all the daemons using

1) start-all.sh

2) Make sure the daemons are up using

[acadgild@localhost ~]$ jps

16884 Jps

3382 SecondaryNameNode

3560 ResourceManager

3118 NameNode

3663 NodeManager

3215 DataNode

3) Run MySQL using the following commands

3.1) sudo service mysqld start

3.2) mysql -u root

Create a new Database:

mysql>create database state;

mysql>use state;

Create a table similar to the structure of the output file contents:

mysql>create table BPLObjectivesMet (State varchar(20), district varchar(50), BPL int, total int);

mysql>show tables;

+------------------+

| Tables_in_state |

```
+-----------------+
```

| BPLObjectivesMet |

| state80percent   |

```
+-----------------+
```

2 rows in set (0.00 sec)

In Terminal1, run the sqoop command to Export the Pig Script analysis from HDFS to MySQL:

sqoop export --connect jdbc:mysql://localhost/state --username 'root' -P --table BPLObjectivesMet --export-dir '/user/acadgild/StateObj/part-m-00000' --input-fields-terminated-by ',' -m 1

In Terminal2, check for if the Tables have been populated with data:

mysql> select * from BPLObjectivesMet;

```
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```

| State        | district                | BPL  | total |

| | | | |
|---|---|---|---|
| Arunachal Pradesh | ANJAW | 3232 | 3232 |
| Arunachal Pradesh | DIBANG VALLEY | 1085 | 1085 |
| Arunachal Pradesh | KURUNG KUMEY | 22036 | 22036 |
| Arunachal Pradesh | LOHIT | 8800 | 8800 |
| Arunachal Pradesh | WEST SIANG | 11472 | 11472 |
| Bihar | BANKA | 82439 | 82439 |
| D & N Haveli | DADRA AND NAGAR HAVELI | 2480 | 2480 |
| Goa | NORTH GOA | 15000 | 15000 |
| Jammu & Kashmir | KARGIL | 8475 | 8475 |
| Jammu & Kashmir | KISHTWAR | 22318 | 22318 |
| Jammu & Kashmir | LEH (LADAKH) | 6090 | 6090 |
| Jammu & Kashmir | REASI | 21500 | 21500 |
| Jammu & Kashmir | SAMBA | 9849 | 9849 |

```
| Jammu & Kashmir   | SHOPIAN                              | 10196 | 10196 |
+------------------+--------------------------------------+-------+-------+
```

14 rows in set (0.05 sec)