I am using cygwin to run all types of commands (shell and cmd)

HDFS file system running:

```
rajasekharv@MyPC-RAJ ~/hadoop/hive
$ ../sbin/start-dfs.cmd
rajasekharv@MyPC-RAJ ~/hadoop/hive
```

With above command it launch all name nodes and datanodes: Name node:

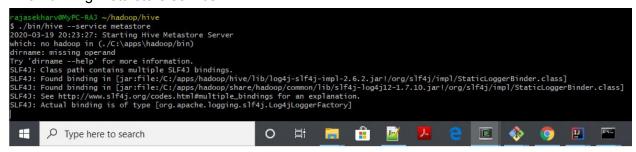
Data node:

Hive setup:

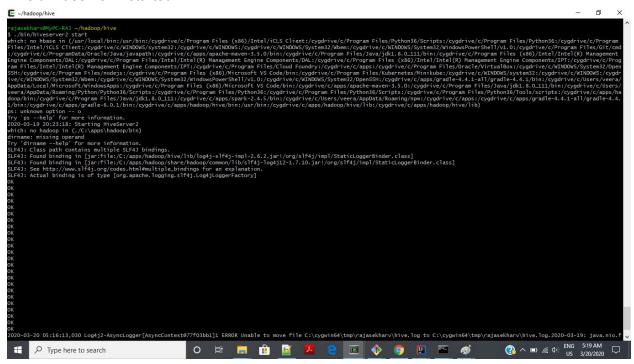
Initialize schema by selecting db using schema tool.

```
rajasekharv@MyPC-RAJ ~/hadoop/hive
$ ./bin/schematool -dbType mysql -initSchema
which: no hadoop in (./C:\apps\hadoop/bin)
dirname: missing operand
Try 'dirname --help' for more information.
SLF41: Class path contains multiple SLF41 bindings.
SLF41: Found binding in [jar:file:/C:/apps/hadoop/hive/lib/log4j-slf4j-impl-2.6.2.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF41: Found binding in [jar:file:/C:/apps/hadoop/share/hadoop/common/lib/slf4j-log4j12-1.7.10.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF41: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF41: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]
Metastore connection URL: jdbc:mysql://localhost:3306/hivedb?createDatabaseIfNotExist=true
Metastore Connection User: com.mysql.cj.jdbc.Driver
Metastore connection User: root
Starting metastore schema initialization to 2.3.0
Initialization script hive-schema-2.3.0.mysql.sql
Initialization script completed
```

Hive- running meta store service:



Hive thrift server 2 started:

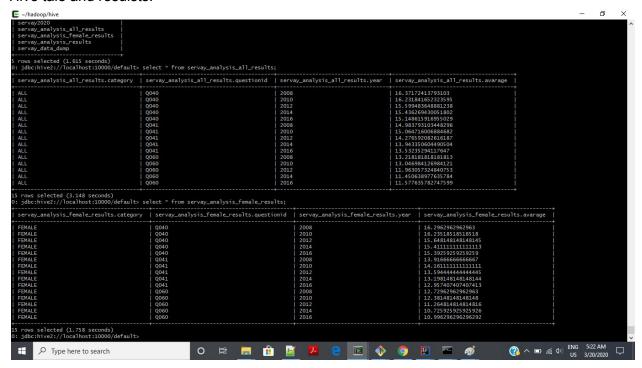


Started mysql server:

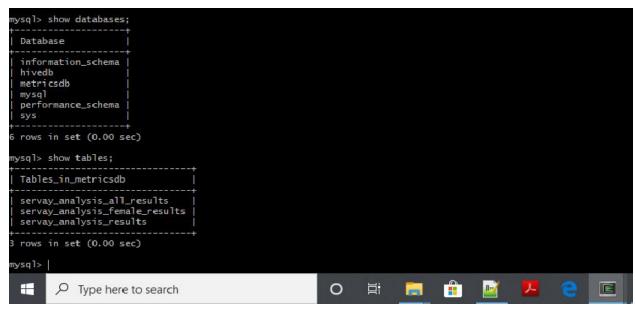
```
Fajasekharvekhyk-Kab / cygdrive/C/Program Files/mysql/bin S / mysqld: could not create or access the registry key needed for the MysQL application to log to the Windows EventLog. Run the application with sufficient privileges once to create the key, add the key manually, or turn off logging for that application.

2020-03-18117:50:28.554394Z 0 (Warning) TIMESTAMP with implicit DEFAULT Value is deprecated. Please use --explicit_defaults_for_timestamp se 2020-03-18117:50:28.554384Z 0 (Note] --secure-file-priv is set to NULL. Operations related to importing and exporting data are disabled 2020-03-18117:50:28.555483Z 0 (Note] --secure-file-priv is set to NULL. Operations related to importing and exporting data are disabled 2020-03-18117:50:28.555883Z 0 (Note] C:\Program Files/mysql/bin/mysqld.exe (mysqld 5.7.29) starting as process 16820 ...
2020-03-18117:50:28.564684Z 0 (Note] Inno0B: Mutexes and rw_locks use Windows interlocked functions 2020-03-18117:50:28.564684Z 0 (Note] Inno0B: Memory barrier is not used 2020-03-18117:50:28.56466Z 0 (Note] Inno0B: Memory barrier is not used 2020-03-18117:50:28.56466Z 0 (Note] Inno0B: Number of pools: 1 2020-03-18117:50:28.56466Z 0 (Note] Inno0B: Number of pools: 1 2020-03-18117:50:28.571559Z 0 (Note] Inno0B: Number of pools: 1 2020-03-18117:50:28.57159Z 0 (Note] Inno0B: Number of pools: 1 2020-03-18117:50:28.57159Z 0 (Note] Inno0B: Number of pools: 1 2020-03-18117:50:28.57159Z 0 (Note] Inno0B: Number of pools: 1
```

Results from local execution stored in hive and mysql: Hive tale and resulsts:



My sql data bases and tables: (hived is created by schematool), metricsdb created by spark-App. Tables are from metrics db. Implementation stores each query results in specific table servay analysis all results, servay analysis female results.



Hive db tables:

```
part_col_privs
part_col_stats
 part_privs
 partition_events
 partition_key_vals
 partition_keys
 partition_params
 partitions
 role_map
 roles
 sd_params
  sequence_table
  serde_params
  skewed_col_names
  skewed_col_value_loc_map
  skewed_string_list
skewed_string_list_values
  skewed_values
  sort_cols
  tab_col_stats
  table_params
  tbl_col_privs
  tbl_privs
 tbls
  txn_components
  type_fields
 types
version
 write_set
57 rows in set (0.00 sec)
mysql> show tables;
                                                                                   Type here to search
                                                             0
                                                                    Ħŧ
```

Mysql results tables:

```
nysql> select * from servay_analysis_all_results;
 category | questionid | year | avarage
 ALL
             Q040
                          2008
                                  16.37172413793103
 ALL
             0040
                          2014
                                 15.436269430051802
 ALL
             0040
                          2012
                                 15.599483648881238
                                 16.231841652323595
 ALL
             0040
                          2010
 ALL
             0040
                          2016
                                 15.148615916955029
 ALL
             0041
                          2008
                                 14.983793103448296
 ALL
             Q041
                          2014
                                 13.943350604490504
 ALL
             Q041
                          2010
                                 15.064716006884682
 ALL
             0041
                          2012
                                 14.276592082616187
 ALL
             0041
                          2016
                                  13.53235294117647
 ALL
             0060
                          2008
                                 13.218181818181813
 ALL
             0060
                          2010
                                 13.046984126984121
 ALL
             0060
                          2012
                                 11.963057324840753
 ALL
             0060
                          2014
                                 11.450638977635784
 ALL
            0060
                          2016 | 11.577635782747599
15 rows in set (0.00 sec)
mysql> select * from servay_analysis_female_results;
 category | questionid | year | avarage
 FEMALE
             Q040
                          2010
                                  16.23518518518518
 FEMALE
             Q040
                          2012
                                 15.648148148148145
 FEMALE
             Q040
                          2008
                                   16.2962962962963
 FEMALE
             Q040
                          2016
                                  15.39259259259259
 FEMALE
             Q040
                          2014
                                 15.411111111111111
 FEMALE
             Q041
                          2008
                                  13.91666666666667
 FEMALE
             Q041
                          2010
                                 14.1611111111111111
 FEMALE
             Q041
                          2014
                                 13.198148148148144
                                 13.59444444444445
 FEMALE
             Q041
                          2012
                                 12.957407407407413
 FEMALE
             Q041
                          2016
                          2008
                                  12.72962962962963
 FEMALE
             Q060
 FEMALE
                          2010
                                  12.38148148148148
             Q060
 FEMALE
                          2012
                                 11.264814814814816
             Q060
                                 10.725925925925926
 FEMALE
             Q060
                          2014
 FEMALE
            Q060
                          2016
                                 10.996296296296292
```

15 rows in set (0.00 sec)