Task 1

Create a database named 'custom'.

```
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            [acadgild@localhost assignments]$ hive
           SLF4J: Class path contains multiple SLF4J bindings.
           SLF4J: Found binding in [jar:file:/home/acadgild/install/hive/apache-hive-2.3.2-bin/lib/log4j-slf4j-impl-2.6.2.jar!/org/slf4j
           /impl/StaticLoggerBinder.class]
           SLF4J: Found binding in [jar:file:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/slf4j-log4j12-1.7.5.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.apache.logging.slf4j.Log4jLoggerFactory]
           Logging initialized using configuration in jar:file:/home/acadgild/install/hive/apache-hive-2.3.2-bin/lib/hive-common-2.3.2.j
           ar!/hive-log4j2.properties Async: true
           Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engi
           ne (i.e. spark, tez) or using Hive 1.X releases.
           hive>
               > CREATE DATABASE IF NOT EXISTS Custom;
           Time taken: 39.81 seconds
           hive>
```

Create a table named temperature_data inside custom having below fields:

- 1. date (mm-dd-yyyy) format
- 2. zip code
- 3. temperature

The table will be loaded from comma-delimited file.

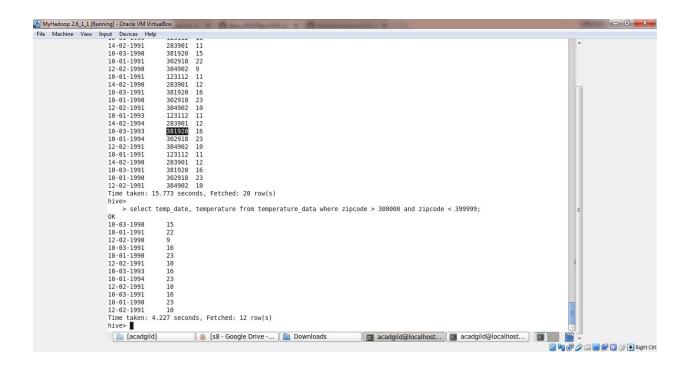
Load the dataset.txt (which is ',' delimited) in the table.

```
MyHadoop 2.6_1_1 [Running] - Oracle VM VirtualB
File Machine View Input Devices Help
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[acadgild@localhost assignments]s hive
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/acadgild/install/hive/apache-hive-2.3.2-bin/lib/log4j-slf4j-impl-2.6.2.jar!/org/slf4j/impl/StaticloggerBinder.class]
SLF4J: Found binding in [jar:file:/home/acadgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/slf4j-log4j12-1.7.5.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.apache.logging.slf4j.Log4jLoggerFactory]
                                      Logging initialized using configuration in jar:file:/home/acadgild/install/hive/apache-hive-2.3.2-bin/lib/hive-common-2.3.2.j arl/hive-log4j2.properties Async: true
Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.
                                      hive> suse Custom;
                                        Time taken: 27.219 seconds
                                       hive>
                                               row format delimited
                                       Time taken: 4.422 seconds
                                       hive>
```

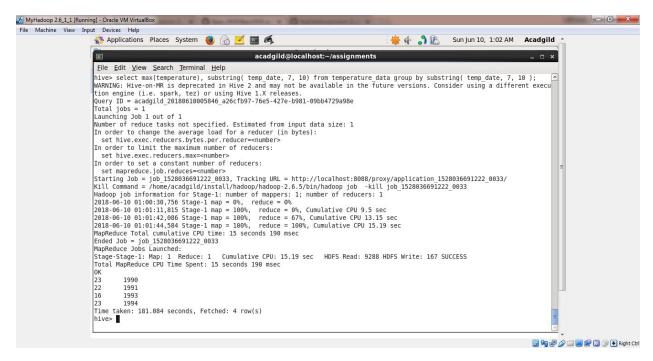
```
MyHadoop 2.6_1_1 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
                               > temp_date string,
> zipcode bigint,
> temperature int
                                   row format delimited
                                > fields terminated by ',';
                           Time taken: 4.422 seconds
                          Time taken: 10.007 seconds
hive> select * from temperature data;
                          0K
10-01-1990
14-02-1991
10-03-1990
                                                283901
381920
                           10-01-1991
                                                302918
                                                         22
                           12-02-1990
10-01-1991
14-02-1990
10-03-1991
                                                384902
123112
                                                          11
12
16
                                                283901
                                                381920
                           10-01-1990
12-02-1991
10-01-1993
14-02-1994
                                                302918
384902
123112
                                                         23
10
11
12
16
                                                283901
                           10-03-1993
                                                381920
                                                302918
384902
123112
                           10-01-1994
                           12-02-1991
10-01-1991
14-02-1990
                          283901 12
10-03-1991 381920 12
10-01-1990 302918 23
12-02-1991 384902 10
Time taken: 15.773 seconds, Fetched: 20 row(s)
hive>
                                                         s8 - Google Drive -... [ [ [Downloads]
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                           acadgild]
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```

Task 2

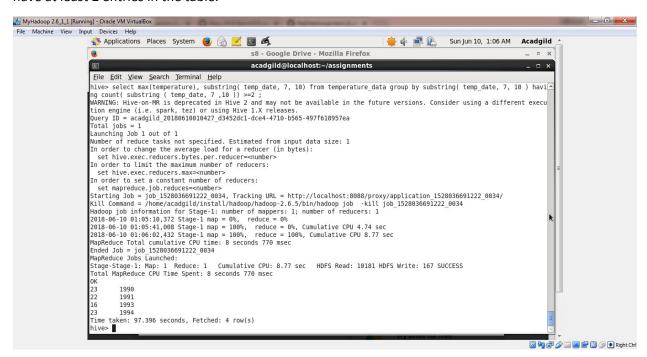
• Fetch date and temperature from temperature_data where zip code is greater than 300000 and less than 399999.



• Calculate maximum temperature corresponding to every year from temperature_data table.



• Calculate maximum temperature from temperature_data table corresponding to those years which have at least 2 entries in the table.



• Create a view on the top of last query, name it temperature data vw.

• Export contents from temperature_data_vw to a file in local file system, such that each file is '|' delimited.

