**Assignment 6.2**

1. **Fetch date and temperature from temperature\_data where zip code is greater than 300000 and less than 399999.**

Sol:

SELECT Temp\_date,temperature FROM TEMPERATURE\_DATA WHERE ZIPCODE > 300000 AND ZIPCODE < 399999;

Output:

6.2\_QUES1.PNG(REFER SCREENSHOT)

1. **Calculate maximum temperature corresponding to every year from temperature\_data table.**

Sol:

Select substr(temp\_Date,7) ,MAX(temperature) from temperature\_Data group by substr(temp\_Date,7) ;

Output:

6.2\_QUES2.PNG(REFER SCREENSHOT)

1. **Calculate maximum temperature from temperature\_data table corresponding to those years which have at least 2 entries in the table.**

Sol:

Select substr(temp\_Date,7) ,MAX(temperature) from temperature\_data group by substr(temp\_Date,7) having count (substr(temp\_Date,7))>=2;

Output:

6.2\_QUES3.PNG(REFER SCREENSHOT)

1. **Create a view on the top of last query, name it temperature\_data\_vw.**

Sol:

Create view temperature\_data\_vw as

Select substr(temp\_Date,7) ,MAX(temperature) from temperature\_data group by substr(temp\_Date,7) having count (substr(temp\_Date,7))>=2;

Output:

6.2\_QUES4.PNG(REFER SCREENSHOT)

1. **Export contents from temperature\_data\_vw to a file in local file system, such that each file is '|' delimited.**

Sol:

INSERT OVERWRITE LOCAL DIRECTORY '/home/acadgild/Hive Export' ROW FORMAT DELIMITED FIELDS TERMINATED BY '|' SELECT \* FROM temperature\_data\_vw;

Output:

6.2\_QUES5.PNG (REFER SCREENSHOT)