**Assignment 2:**

**Objective** :

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

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

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

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

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

**Solution :**

1.select date,temperature from temperature\_data where zipcode> 300000 and zipcode < 399999;

// uisng the year() to year value(yyyy) from the complete date value(mm-dd-yyyy)

2.select year(date), max(temperature) from temperature\_data group by year(date);

3. select year(date), count (\*),max(temperature) from temperature\_data group by year(date) having count(date) =2;

4.create view temperature\_data\_vw as select year(date), count (\*),max(temperature) from temperature\_data group by year(date) having count(date) =2;

// output of the select \* from view is wriiten into the file in the local directory path '/tmp/assignment14\_2'

5.insert overwrite local directory '/tmp/assignment14\_2' row format delimited fields terminated by '|' select \* from temperature\_data\_vw;