**Assignment 14 2**

**Task1 : Fetch date and temperature from temperature\_data where zip code is greater than 300000 and less than 399999**.

select date1,temperature from temperature\_data where zipcode>300000 and zipcode<399999;

**Output:**

10-03-1990 15

10-01-1991 22

12-02-1990 9

10-03-1991 16

10-01-1990 23

12-02-1991 10

10-03-1993 16

10-01-1994 23

12-02-1991 10

10-03-1991 16

10-01-1990 23

12-02-1991 10

**Task2: Calculate maximum temperature corresponding to every year from temperature\_data table.**

split(date1,'-')[2]🡪 results the year from date string

select split(date1,'-')[2],max(temperature) from temperature\_data group by (split(date1,'-')[2]);

**Output:**

1990 23

1991 22

1993 16

1994 23

**Task3: Calculate maximum temperature from temperature\_data table corresponding to those years which have at least 2 entries in the table.**

select (split(date1,'-')[2]),max(temperature) from temperature\_data group by (split(date1,'-')[2]) having count(\*)>=2;

**Output:**

1990 23

1991 22

1993 16

1994 23

**Task4: Create a view on the top of last query, name it temperature\_data\_vw.**

create view temperature\_data\_vw as

select (split(date1,'-')[2]),max(temperature) from temperature\_data group by (split(date1,'-')[2]) having count(\*)>=2;

**Task5: Export contents from temperature\_data\_vw to a file in local file system, such that each file is '|' delimited.**

INSERT OVERWRITE LOCAL DIRECTORY '/home/acadgild/hive'

row format delimited

fields terminated by '|'

select \* from temperature\_data\_vw;

**Output checking:**

[acadgild@localhost hive]$cd /home/acadgild/hive

[acadgild@localhost hive]$ ls

000000\_0

[acadgild@localhost hive]$cat 000000\_0;

1990|23

1991|22

1993|16

1994|23