**Assignment10.6**

**Creating Table:**

CREATE TABLE IF NOT EXISTS temp\_data(station string,date string,obs\_type string,temperature int)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY ','

STORED AS TEXTFILE;

**Loading Data:**

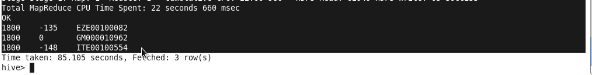
LOAD DATA LOCAL INPATH '/home/acadgild/Downloads/Temperature.csv' OVERWRITE INTO TABLE temp\_data;

**Query1:**

**Minimum temperature observed in a given weather station in a particular year.**

SELECT YEAR(TO\_DATE(FROM\_UNIXTIME(UNIX\_TIMESTAMP(date,'yyyymmdd')))) as date,MIN(temperature) AS min\_temp ,station FROM

temp\_data GROUP BY YEAR(TO\_DATE(FROM\_UNIXTIME(UNIX\_TIMESTAMP(date,'yyyymmdd')))),station;



**Query2:**

**Maximum temperature observed in a given weather station in a particular year.**

SELECT YEAR(TO\_DATE(FROM\_UNIXTIME(UNIX\_TIMESTAMP(date,'yyyymmdd')))) as date,MAX(temperature) AS max\_temp ,station FROM

temp\_data GROUP BY YEAR(TO\_DATE(FROM\_UNIXTIME(UNIX\_TIMESTAMP(date,'yyyymmdd')))),station;



**Query3:**

**Number of readings given by each weather station according to the dataset.**

SELECT station,count(\*) FROM temp\_data GROUP BY station;

