Creating Table

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

ROW FORMAT DELIMITED

FIELDS TERMINATED BY ','

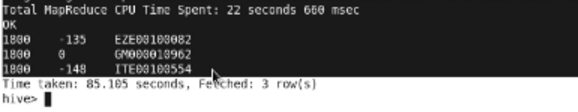
STORED AS TEXTFILE;

Loading Data

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

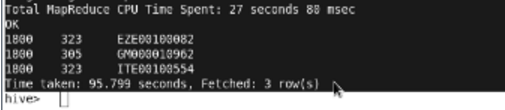
Minimum temperature observed in a given weather station in a particular year.

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;



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;



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

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

