#### Name = Sakshi Suhas Shinde

Email = sakshishinde209@gmail.com

**Course = Business Analyst** 

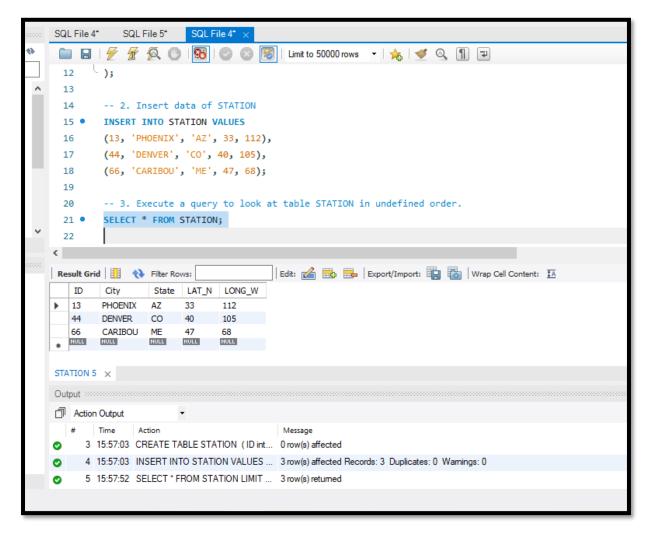
### **Major SQL Assignment**

### Q1) Create a table "STATION"

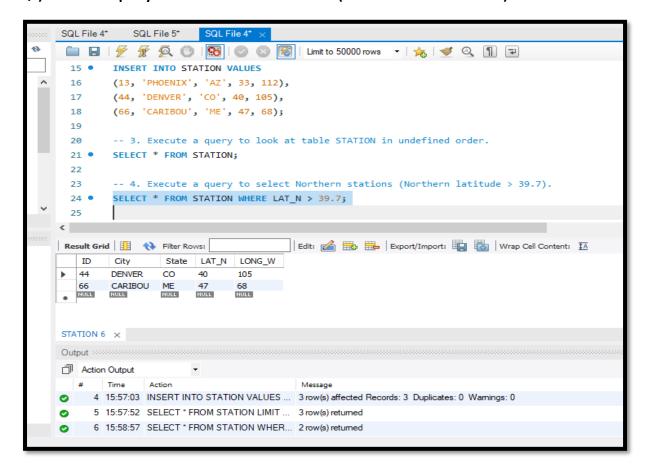
Q2) Insert the following records into the table:

```
SQL File 4*
             SQL File 5*
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 🛅 🖫 | 🥖 💯 👰 🕛 | 🚱 | 💿 🔞 | Limit to 50000 rows 🔻 | 🏂 | 🥩 🔍 🗻
  1 •
         Create Database Major_SQL_Assignment;
  2 •
         Use Major_SQL_Assignment;
         -- 1. Create a table for STATION
         CREATE TABLE STATION
  6
            ID int primary key,
  8
           City char(20),
            State char(2),
  9
            LAT_N int,
 10
            LONG_W int
 11
 12
 13
         -- 2. Insert data of STATION
 14
        INSERT INTO STATION VALUES
 15 •
         (13, 'PHOENIX', 'AZ', 33, 112),
 16
         (44, 'DENVER', 'CO', 40, 105),
 17
         (66, 'CARIBOU', 'ME', 47, 68);
 18
1 Q
Output
Action Output
2 15:57:03 Use Major_SQL_Assignment
                                        0 row(s) affected
     3\; 15:57:03 \; CREATE TABLE STATION ( ID int ... \; 0 row(s) affected
4 15:57:03 INSERT INTO STATION VALUES ... 3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0
```

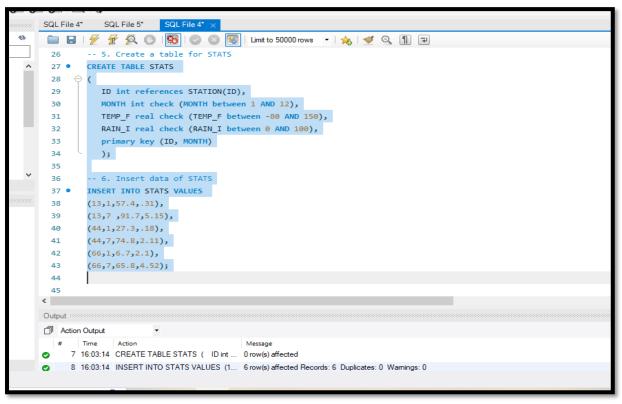
### Q3) Execute a query to look at table STATION in undefined order.

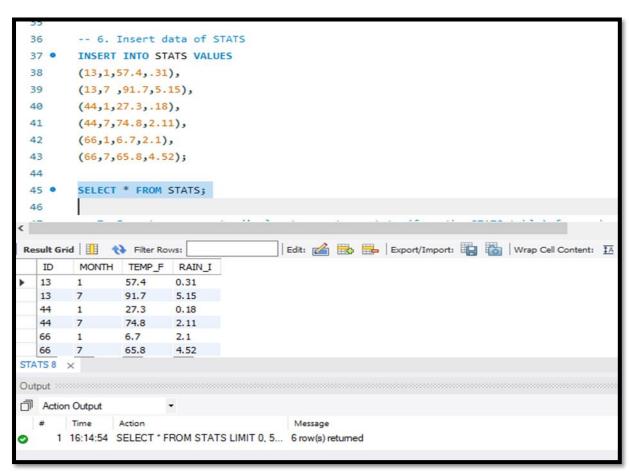


### Q4) Execute a query to select Northern stations (Northern latitude > 39.7).

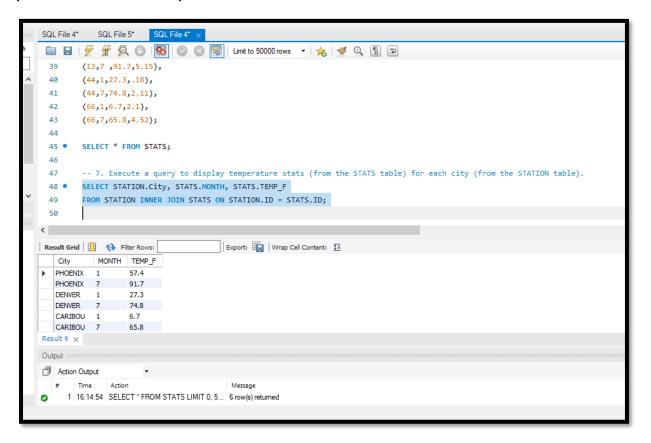


### Q5) Create another table, 'STATS' Q6) Populate the table

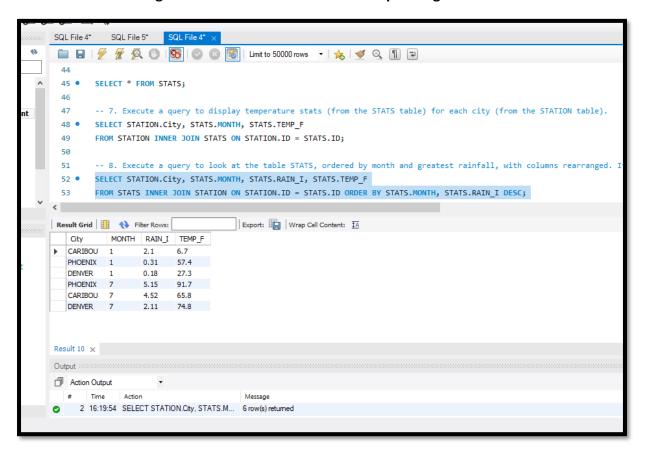


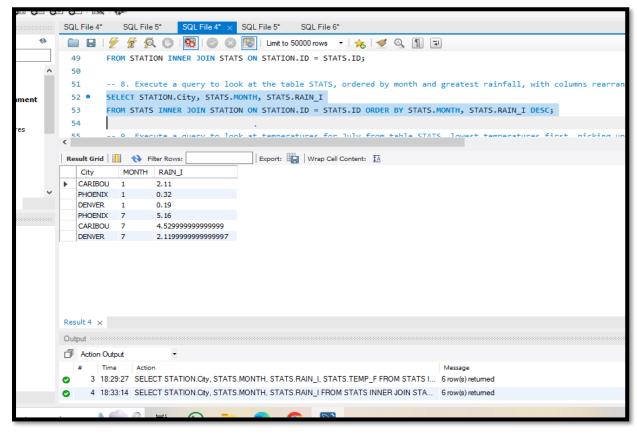


# Q7) Execute a query to display temperature stats (from the STATS table) for each city (from the STATION table).

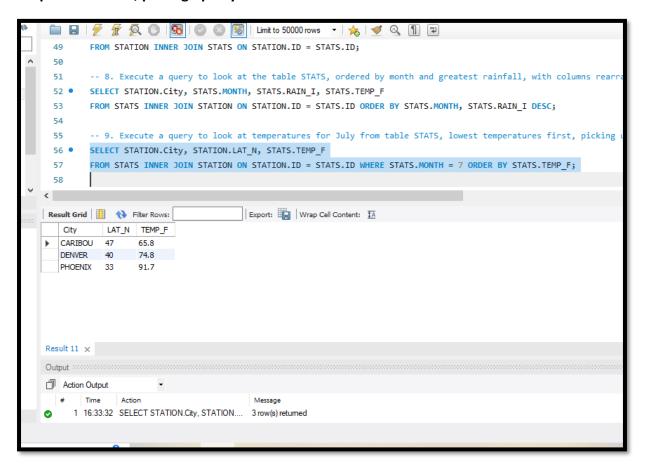


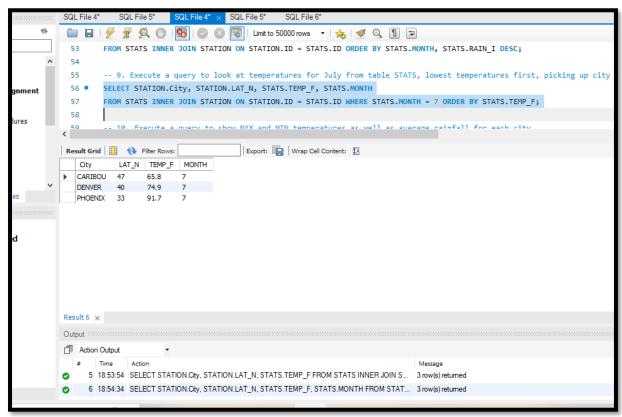
Q8) Execute a query to look at the table STATS, ordered by month and greatest rainfall, with columns rearranged. It should also show the corresponding cities.



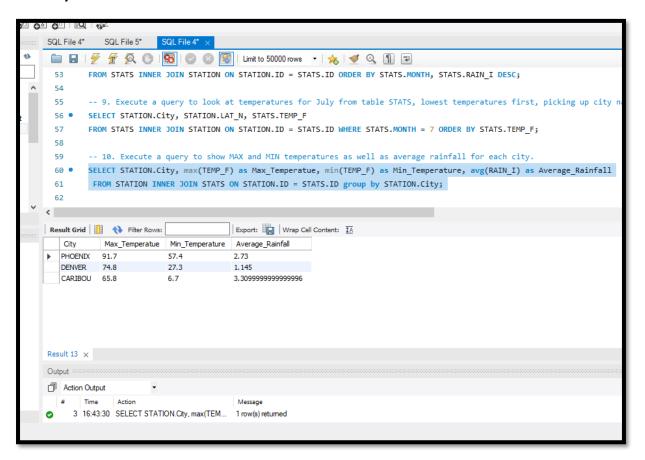


## Q9) Execute a query to look at temperatures for July from table STATS, lowest temperatures first, picking up city name and latitude.

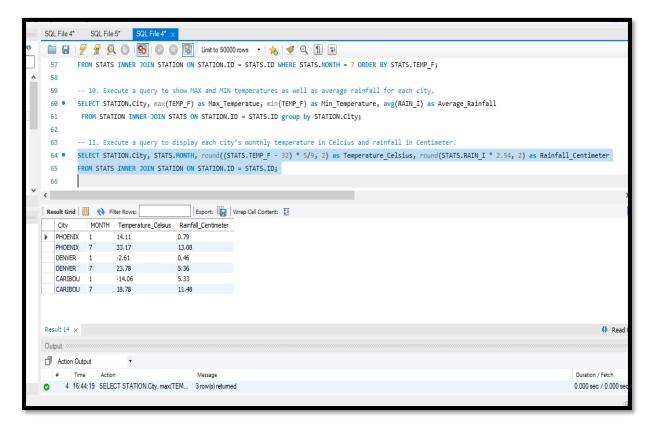




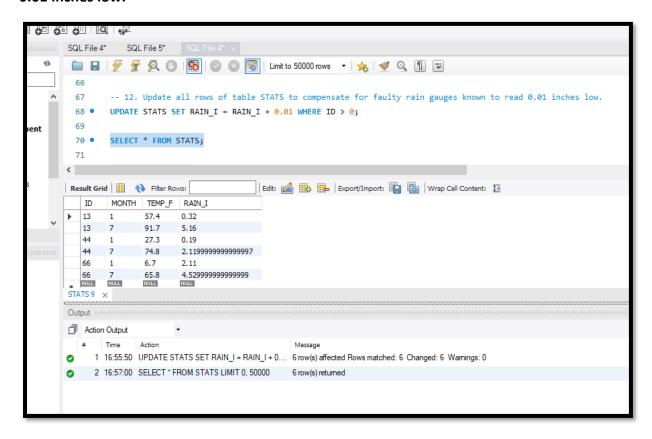
## Q10) Execute a query to show MAX and MIN temperatures as well as average rainfall for each city.



## Q11) Execute a query to display each city's monthly temperature in Celsius and rainfall in Centimetre.



### Q12) Update all rows of table STATS to compensate for faulty rain gauges known to read 0.01 inches low.



#### Q13) Update Denver's July temperature reading as 74.9

