1. Create a table "Station" to store information about weather observation stations:

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Elive SQL

SQL Worksheet

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C CREATE TABLE STATION

7 (ID NUMBER PRIMARY KEY,

8 CITY CHAR(20),

9 STATE CHAR(2),

10 LAT_N NUMBER,

11 LONG_W NUMBER);

12

Table created.
```

2. Insert the following records into the table:

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E Live SQL

SQL Worksheet

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SQL Worksheet

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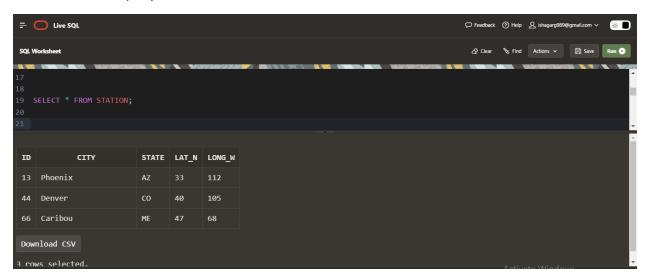
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```

3. Execute a query to look at table STATION in undefined order.



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



5. Create another table, 'STATS', to store normalized temperature and precipitation data:

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E Live SQL

SQL Worksheet

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```

6. Populate the table STATS with some statistics for January and July:

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E Live SQL

SQL Worksheet

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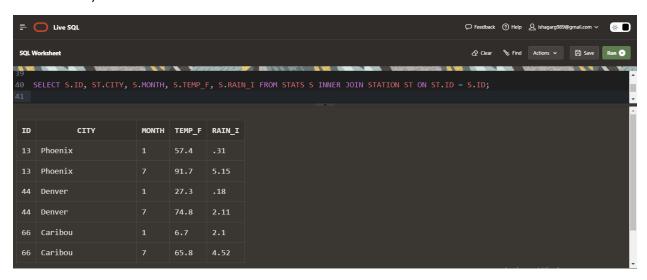
31
32 INSERT INTO STATS VALUES (13, 7, 91.7, 5.15);
34 INSERT INTO STATS VALUES (44, 1, 27.3, 0.18);
35 INSERT INTO STATS VALUES (44, 7, 74.8, 2.11);
36 INSERT INTO STATS VALUES (66, 1, 6.7, 2.10);
37 INSERT INTO STATS VALUES (66, 7, 65.8, 4.52);
38

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.
```

7. Execute a query to display temperature stats (from STATS table) for each city (from Station table).



8. 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.



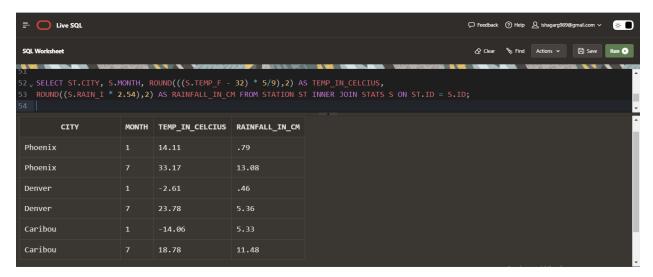
9. Execute a query to look at temperatures for July from table STATS, lowest temperatures first, picking up city name and latitude.



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

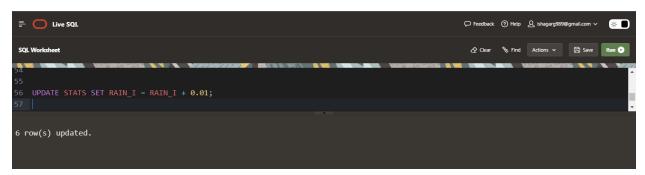


11. Execute a query to display each city's monthly temperature in Celcius and rainfall in Centimeter.

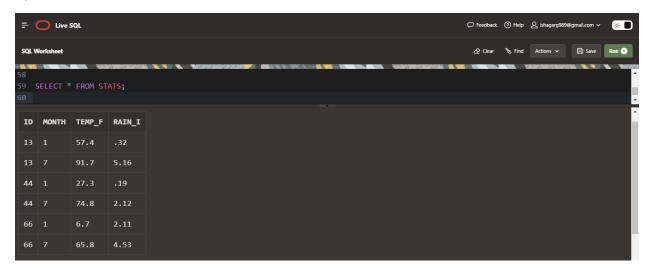


12. Update all rows of table STATS to compensate for faulty rain gauges known to read 0.01 inches low.

## Updating rain:



## Updated data:



13. Update Denver's July temperature reading as 74.9

## Updating data:

## Updated data:

