Assignment Submission

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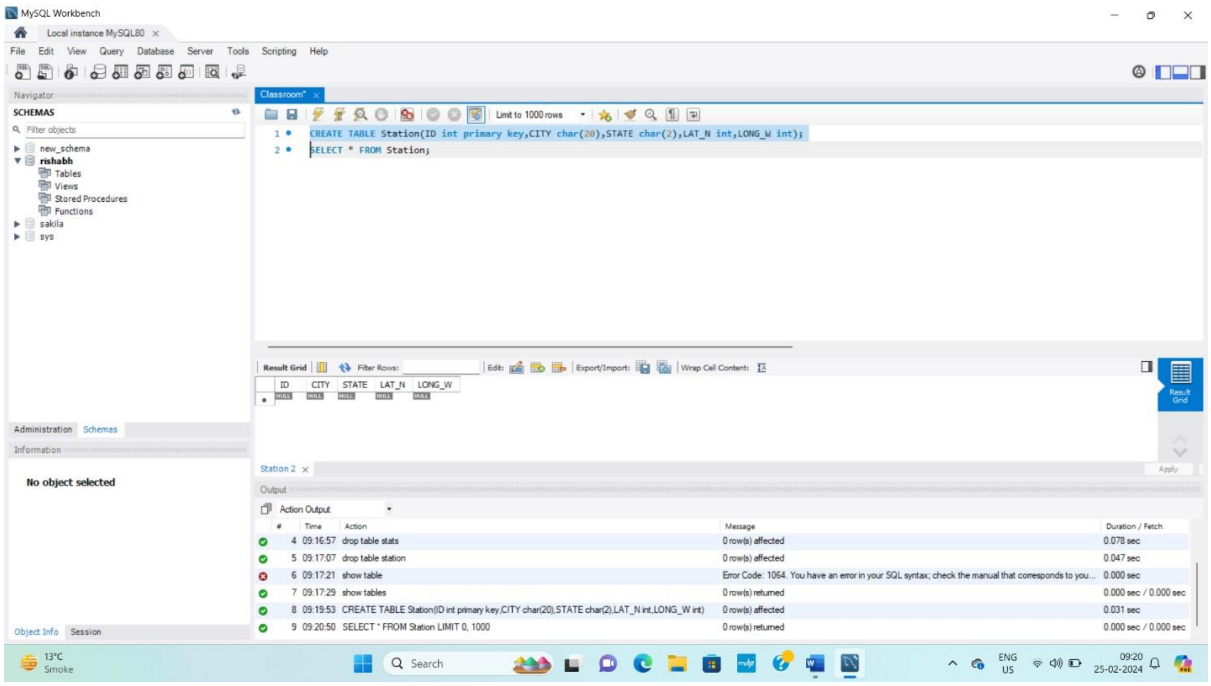
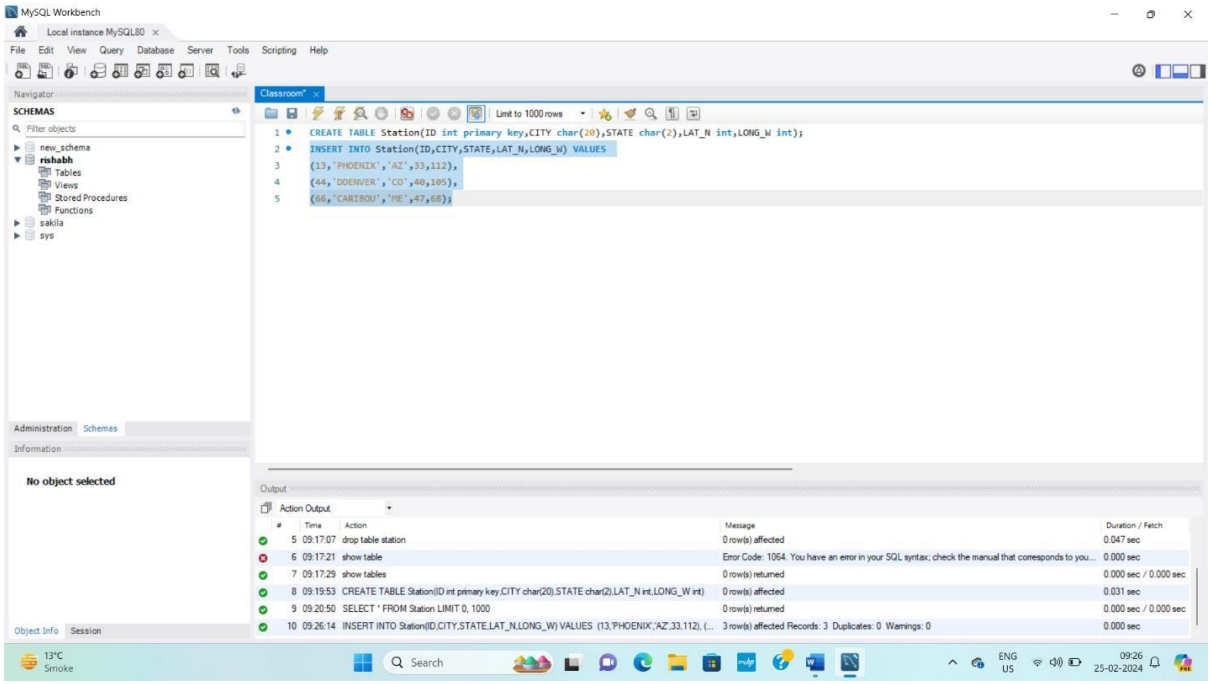
Email - Errishabhsaxena24@gmail.com

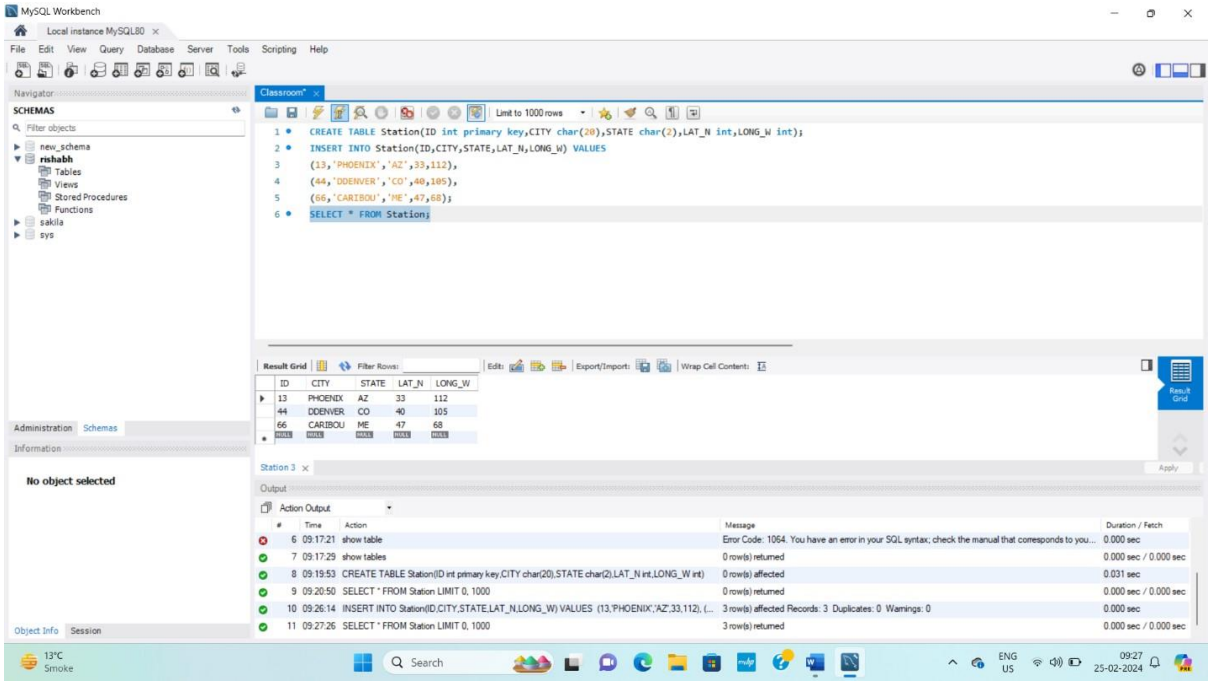
Q1) Create a table "STATION " to store information about weather observation stations:



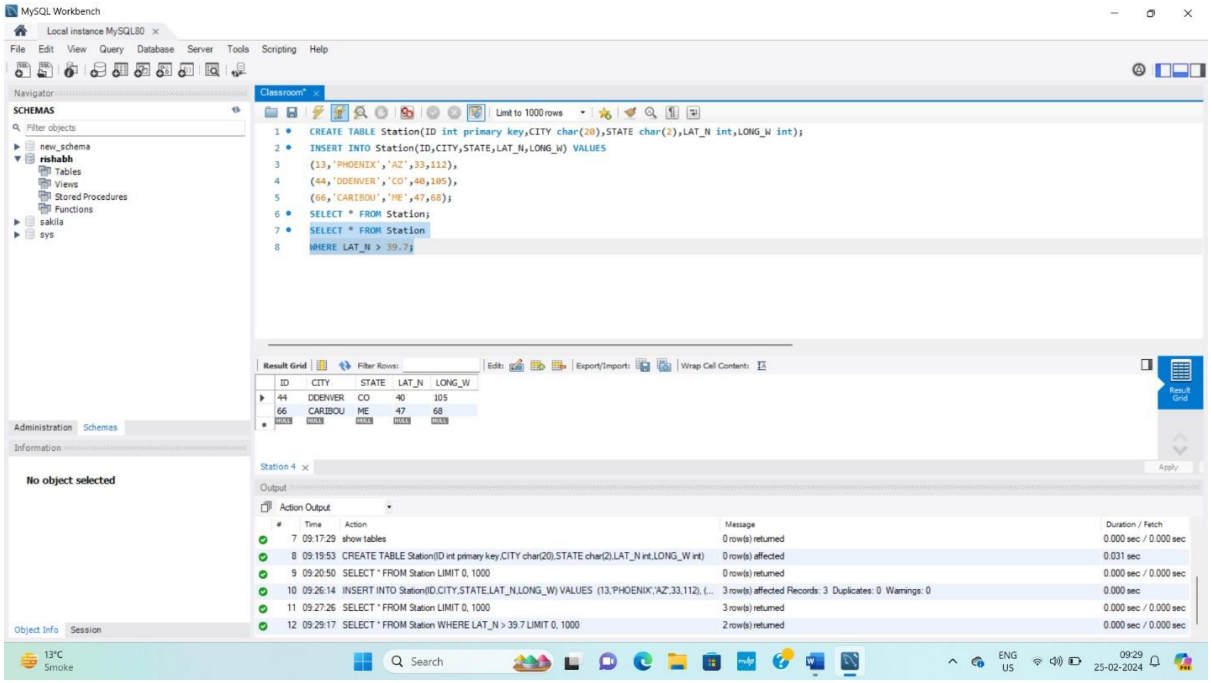
Q2) Insert the following records into the table:



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

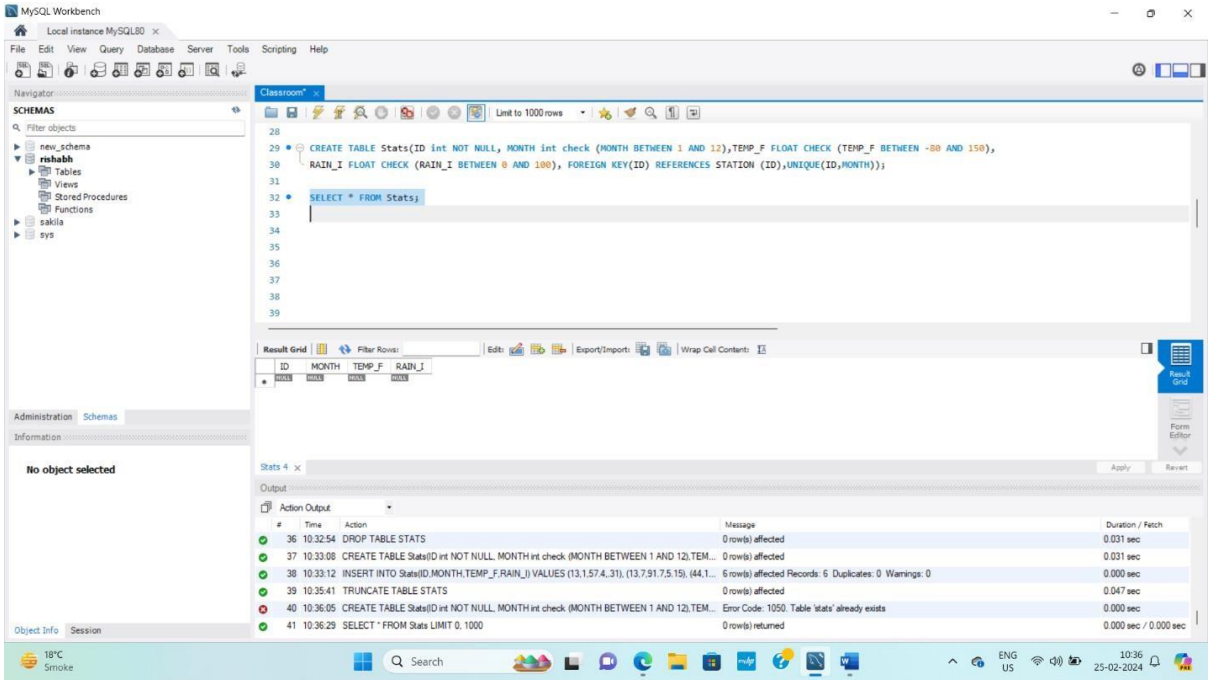


Q4) Execute a query to select Northern stations (Northern latitude > 39.7).

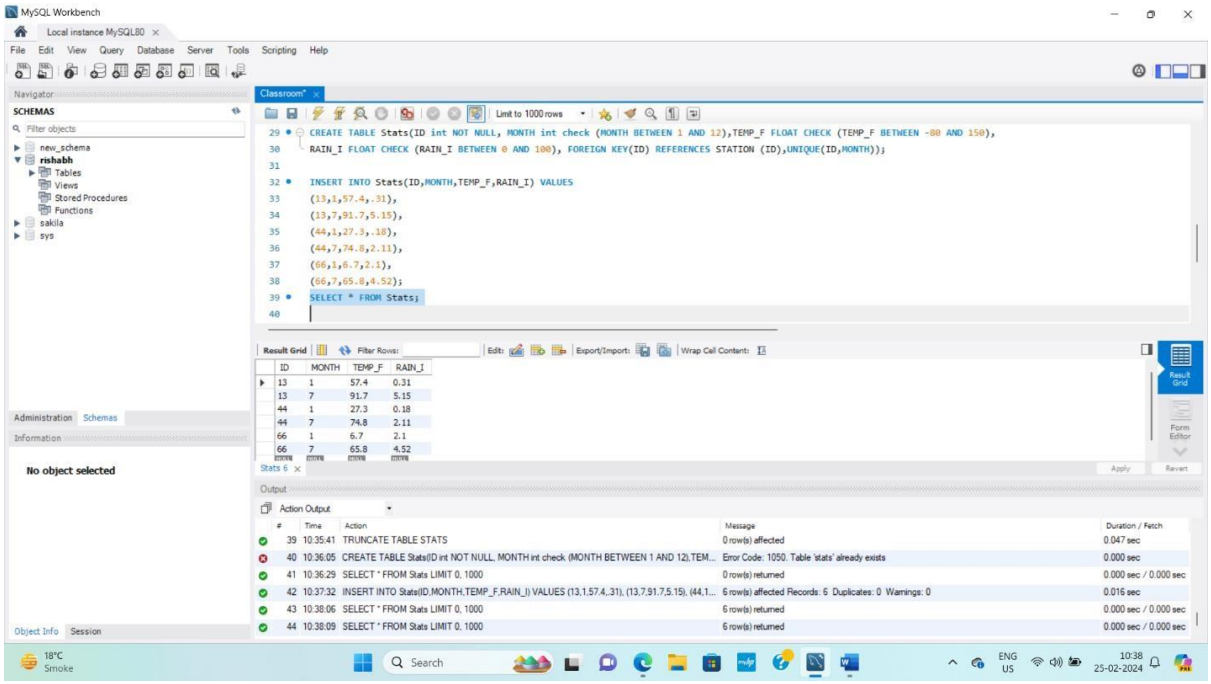


5. Create another table, 'STATS', to store normalized temperature and precipitation data:

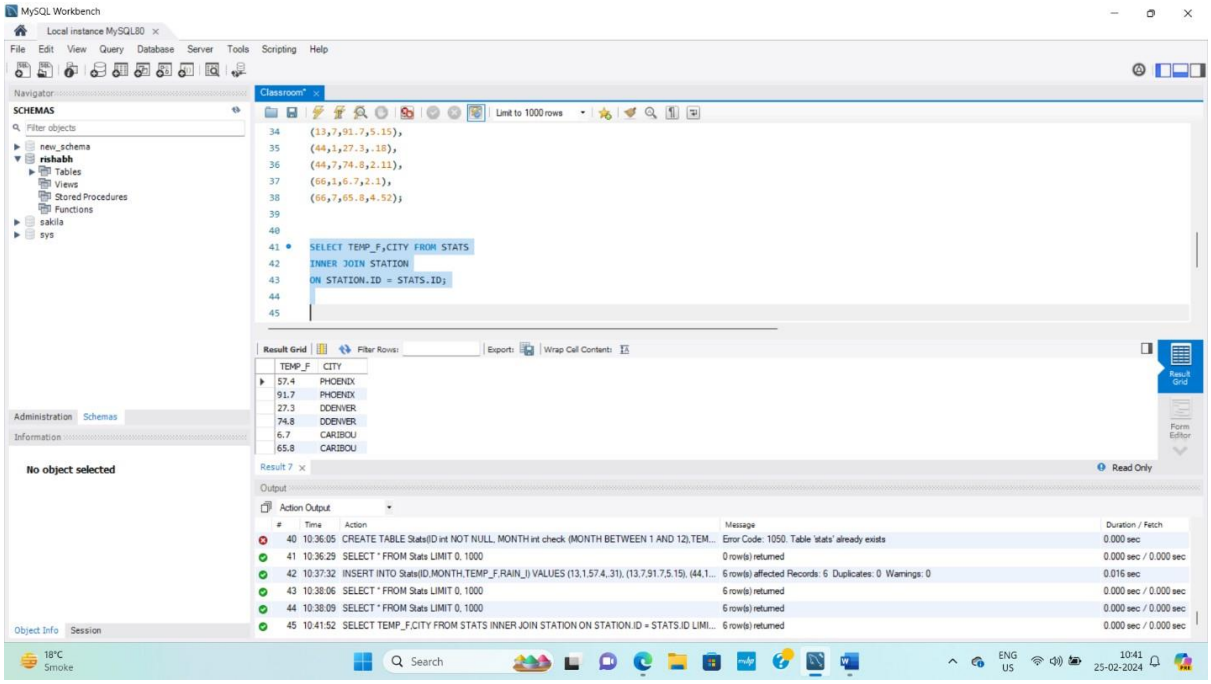
There will be no Duplicate ID and MONTH combination.



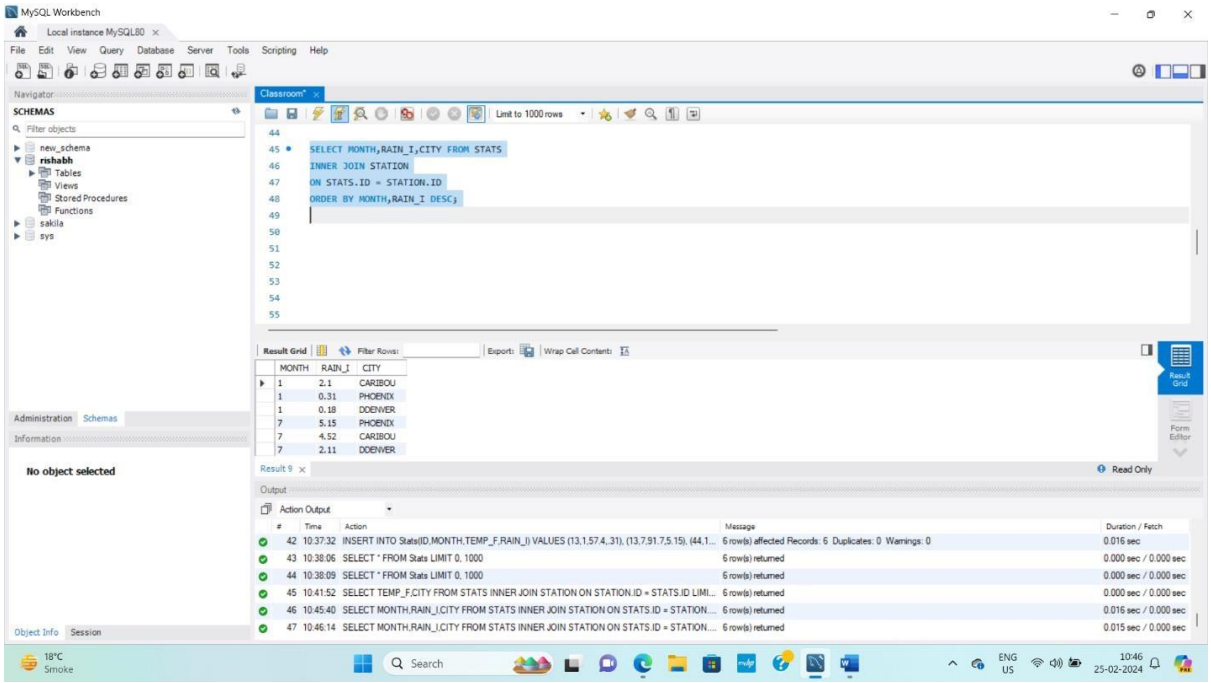
Q6) Populate the table STATS with some statistics for January and July:



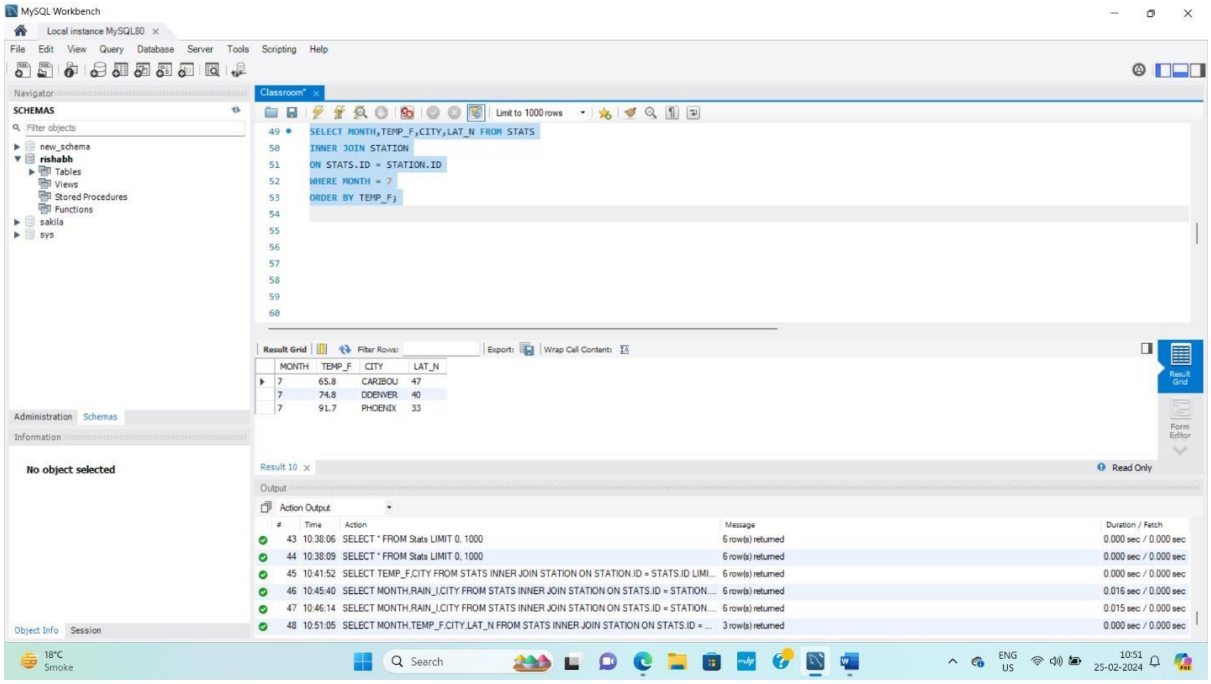
Q7) Execute a query to display temperature stats (from the STATS table) for each city (from the STATION table).



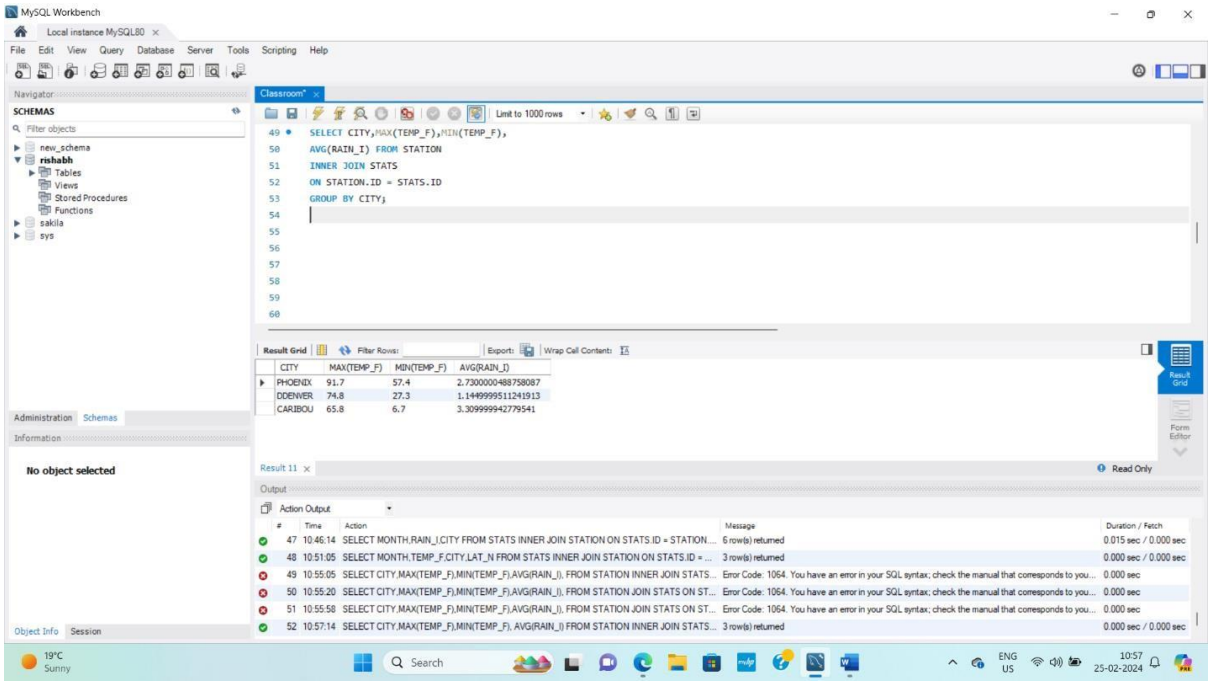
Q8) Execute a query to look at the table STATS, ordered by month and greatest rainfall, with columns rearranged. It should also show the corresponding cities.



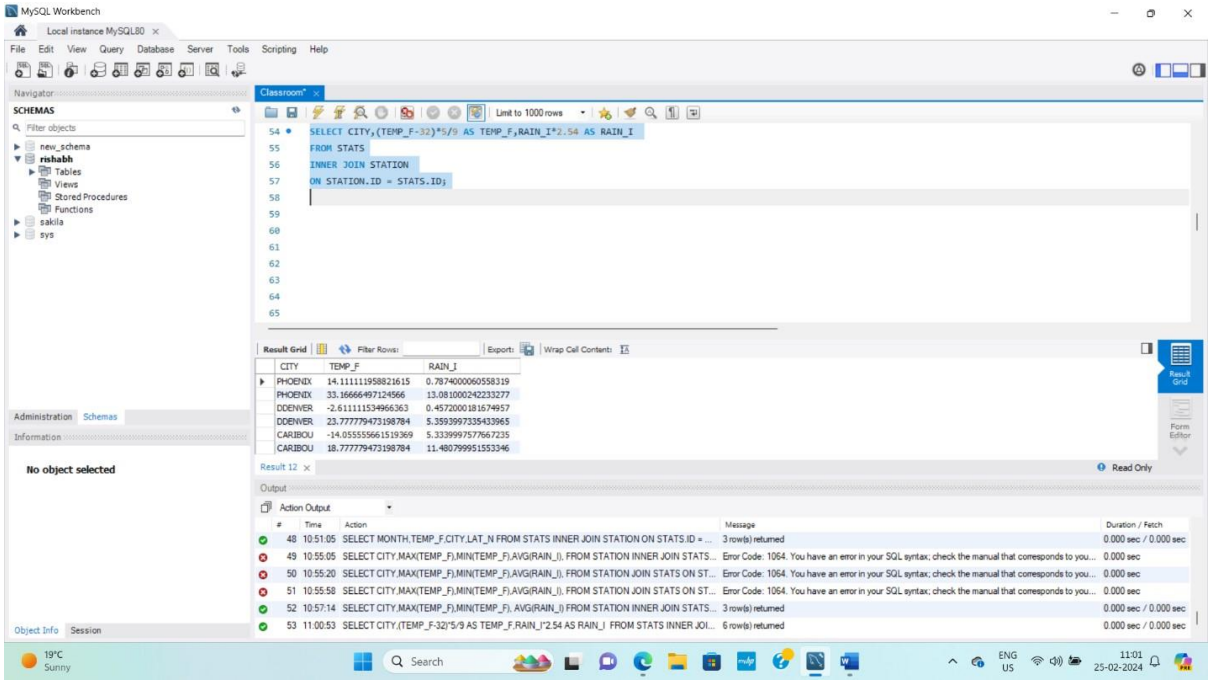
Q9) Execute a query to look at temperatures for July from table STATS, lowest temperatures first, picking up city name and latitude.



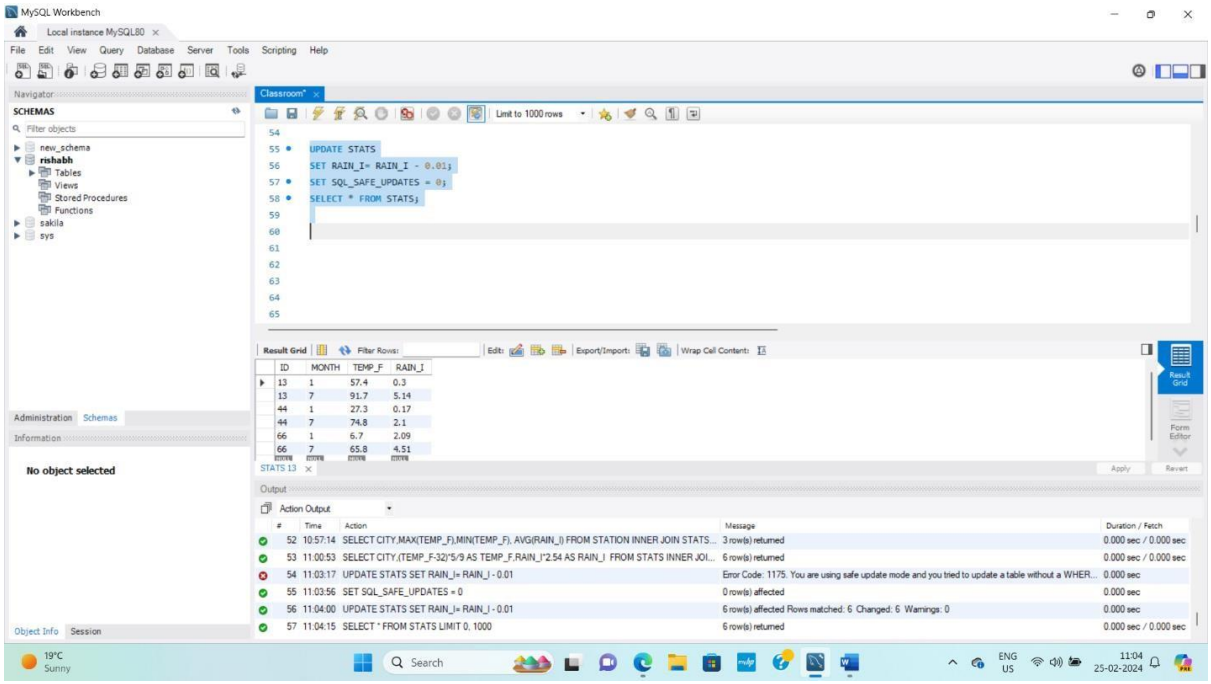
Q10) Execute a query to show MAX and MIN temperatures as well as average rainfall for each city.



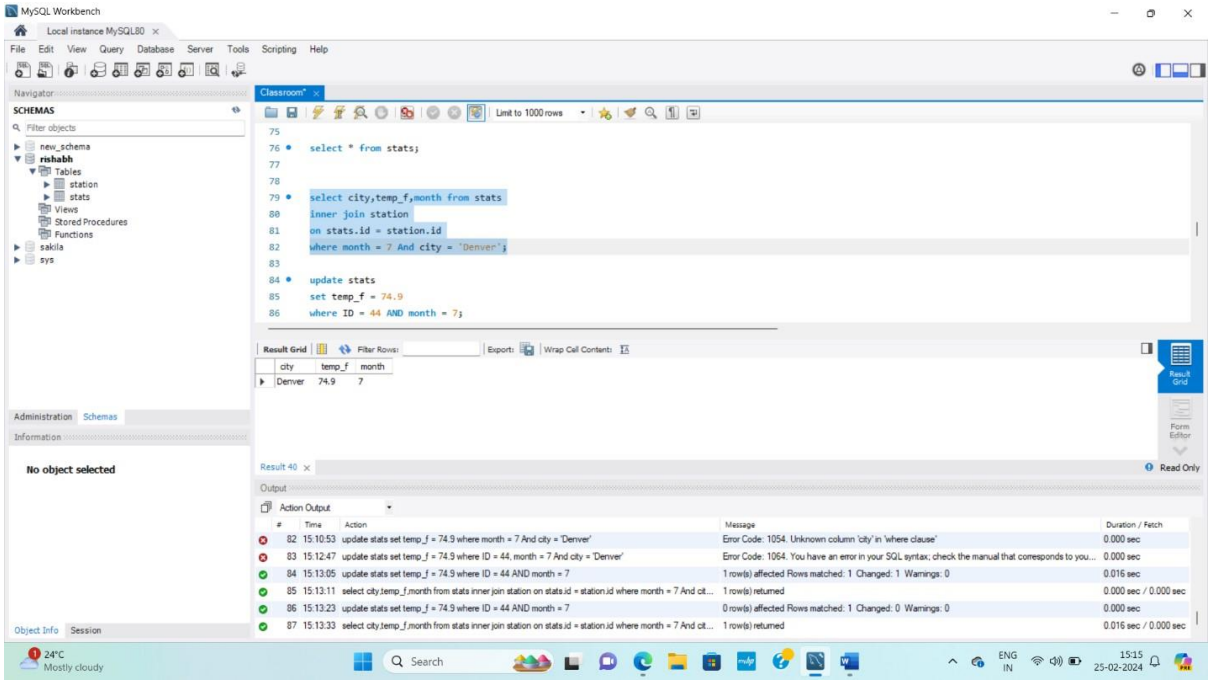
Q11) Execute a query to display each city's monthly temperature in Celcius and rainfall in Centimeter.



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.


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
new_schema
rishabh
Tables
station
stats
Views
Stored Procedures
Functions
sakila
sys
Administration Schemas
Information
No object selected
Object Info Session
Classroom*
Limit to 1000 rows
75
76 • select * from stats;
77
78
79 • select city,temp_f,month from stats
80 inner join station
81 on stats.id = station.id
82 where month = 7 And city = "Denver";
83
84 • update stats
85 set temp_f = 74.9
86 where ID = 44 AND month = 7;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
city temp_f month
Denver 74.9 7
Result Grid
Form Editor
Result 40
Read Only
Output
Action Output
Time Action Message Duration / Fetch
82 15:10:53 update stats set temp_f = 74.9 where month = 7 And city = 'Denver' Error Code: 1054. Unknown column 'city' in 'where clause' 0.000 sec
83 15:12:47 update stats set temp_f = 74.9 where ID = 44, month = 7 And city = 'Denver' Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to you... 0.000 sec
84 15:13:05 update stats set temp_f = 74.9 where ID = 44 AND month = 7 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0 0.016 sec
85 15:13:11 select city,temp_f,month from stats inner join station on stats.id = station.id where month = 7 And cit... 1 row(s) returned 0.000 sec / 0.000 sec
86 15:13:23 update stats set temp_f = 74.9 where ID = 44 AND month = 7 0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0 0.000 sec
87 15:13:33 select city,temp_f,month from stats inner join station on stats.id = station.id where month = 7 And cit... 1 row(s) returned 0.016 sec / 0.000 sec
24°C
Mostly cloudy
Search
ENG
IN
15:15
25-02-2024