NAME – SUSHMITA KUMARI GUPTA
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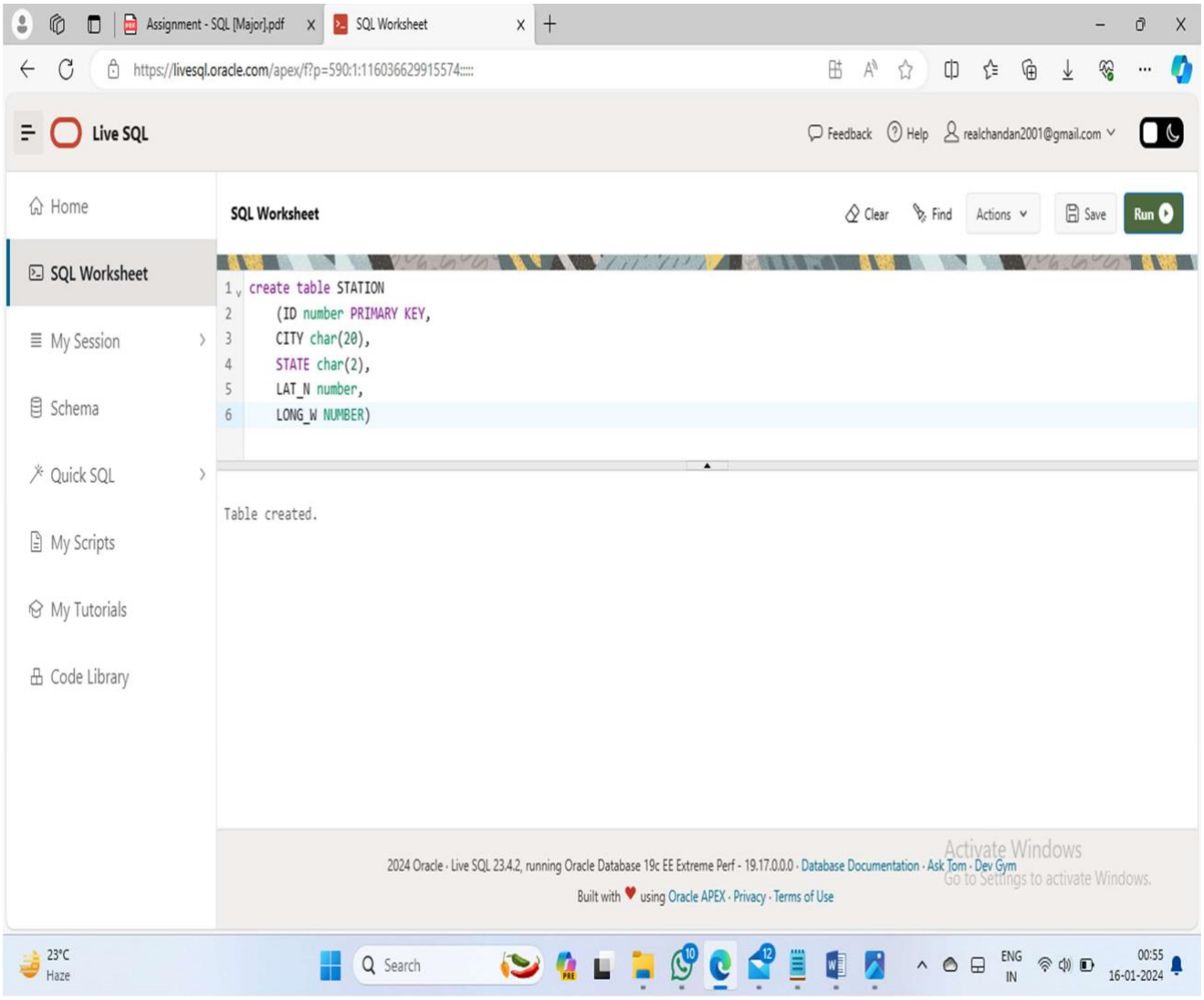
COURSE – BUSINESS ANALYST
Assignment - SQL [Major]

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

ANSWER :



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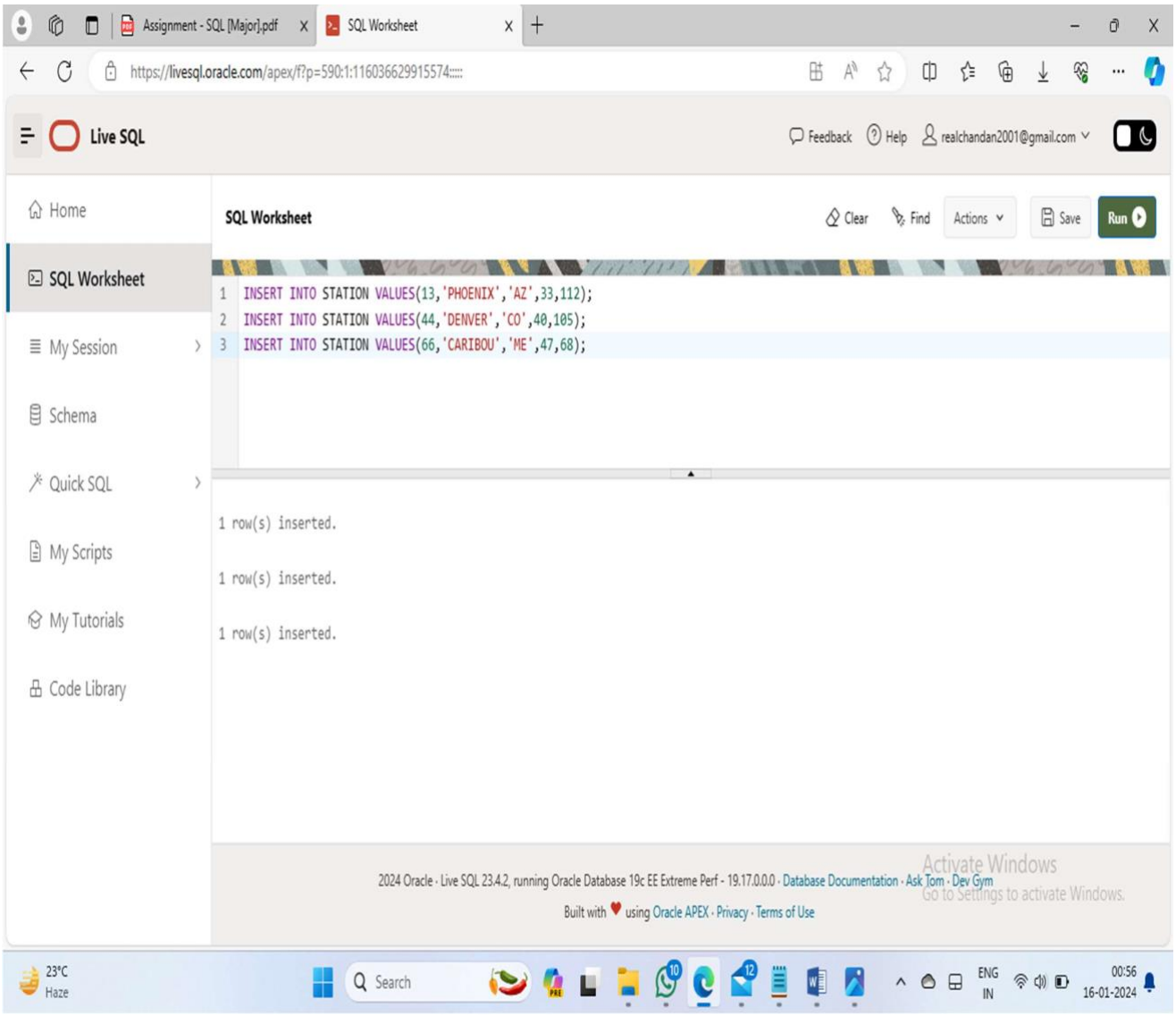
Q2) Insert the following records into the table:

ID	CITY	STATE	LAT_N	LONG_W
13	PHOENIX	AZ	33	112
44	DENVER	CO	40	105
66	CARIBOU	ME	47	68

ANS :



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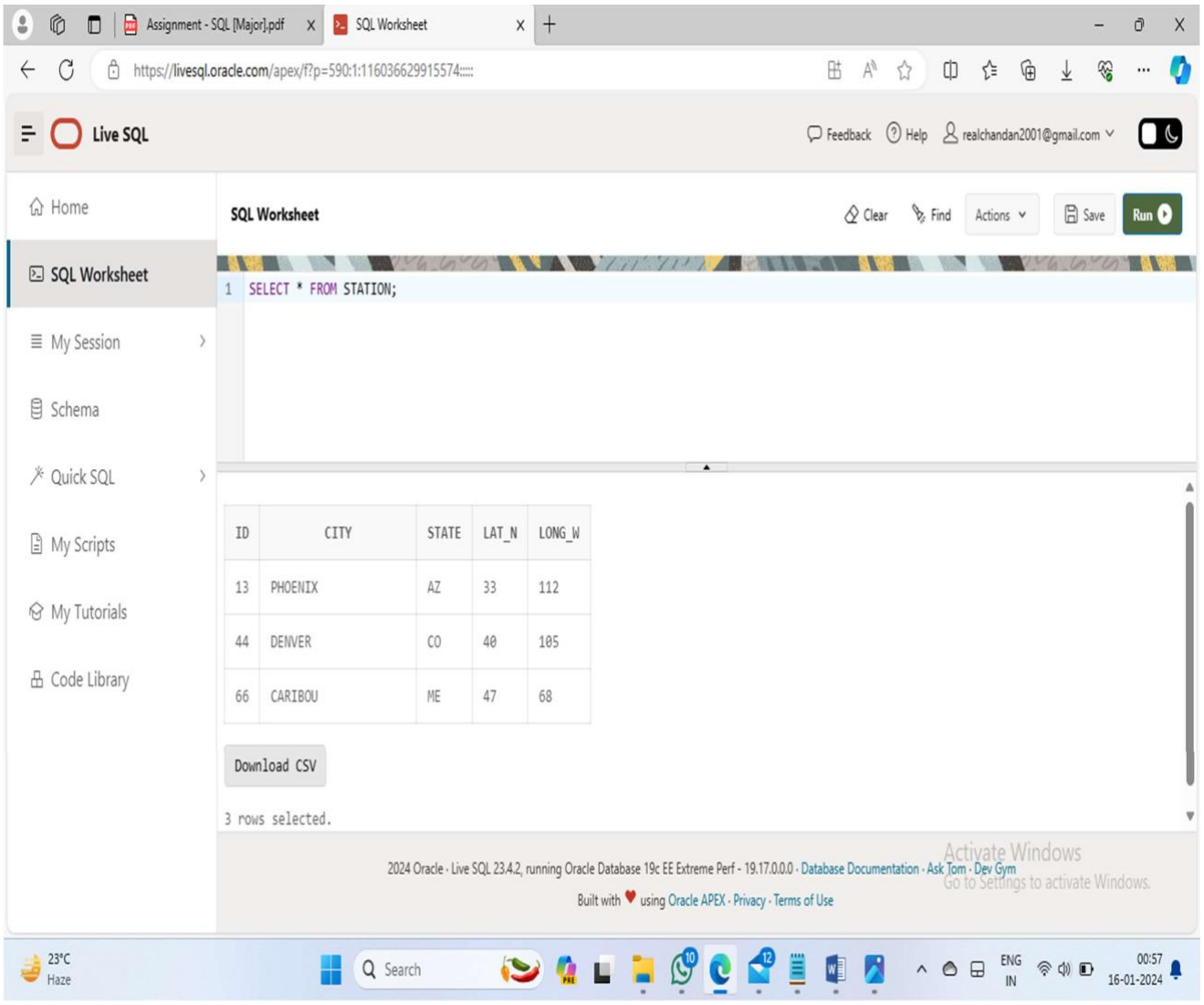
Q3) Execute a query to look at table STATION in undefined order

ANS :



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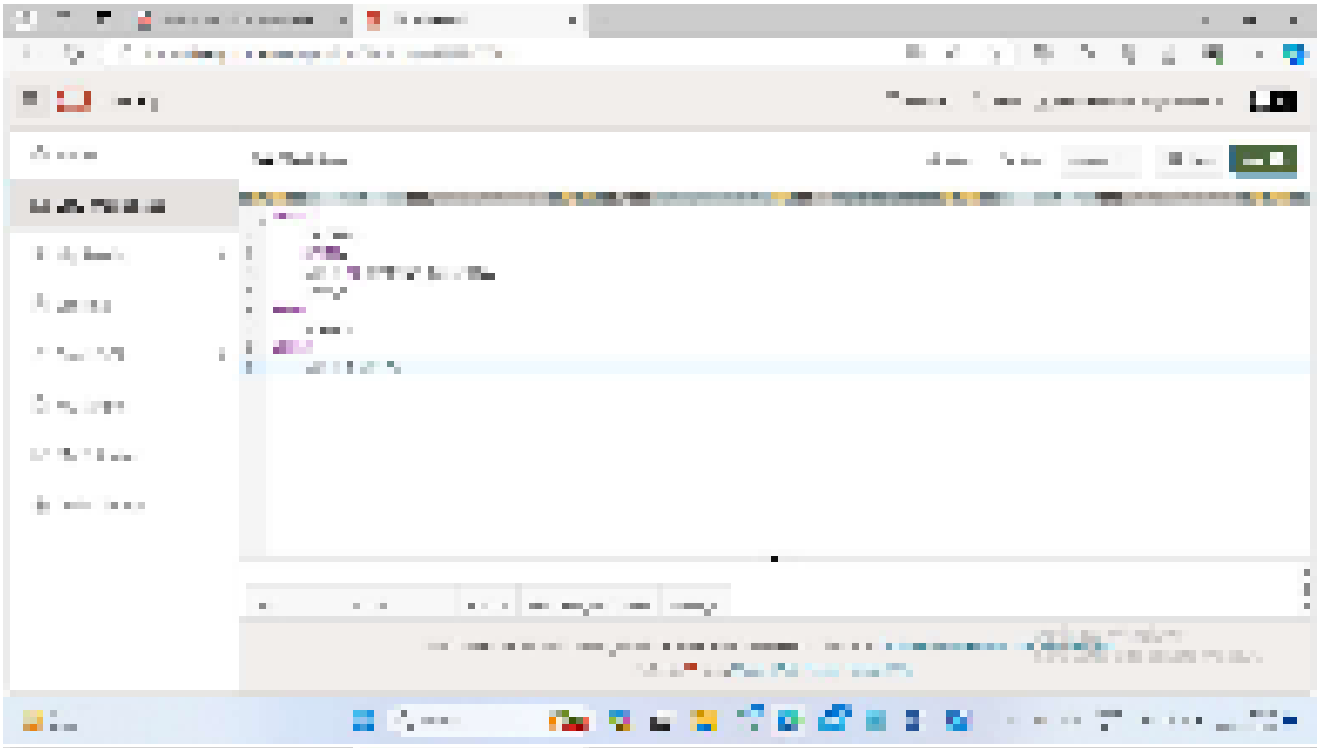
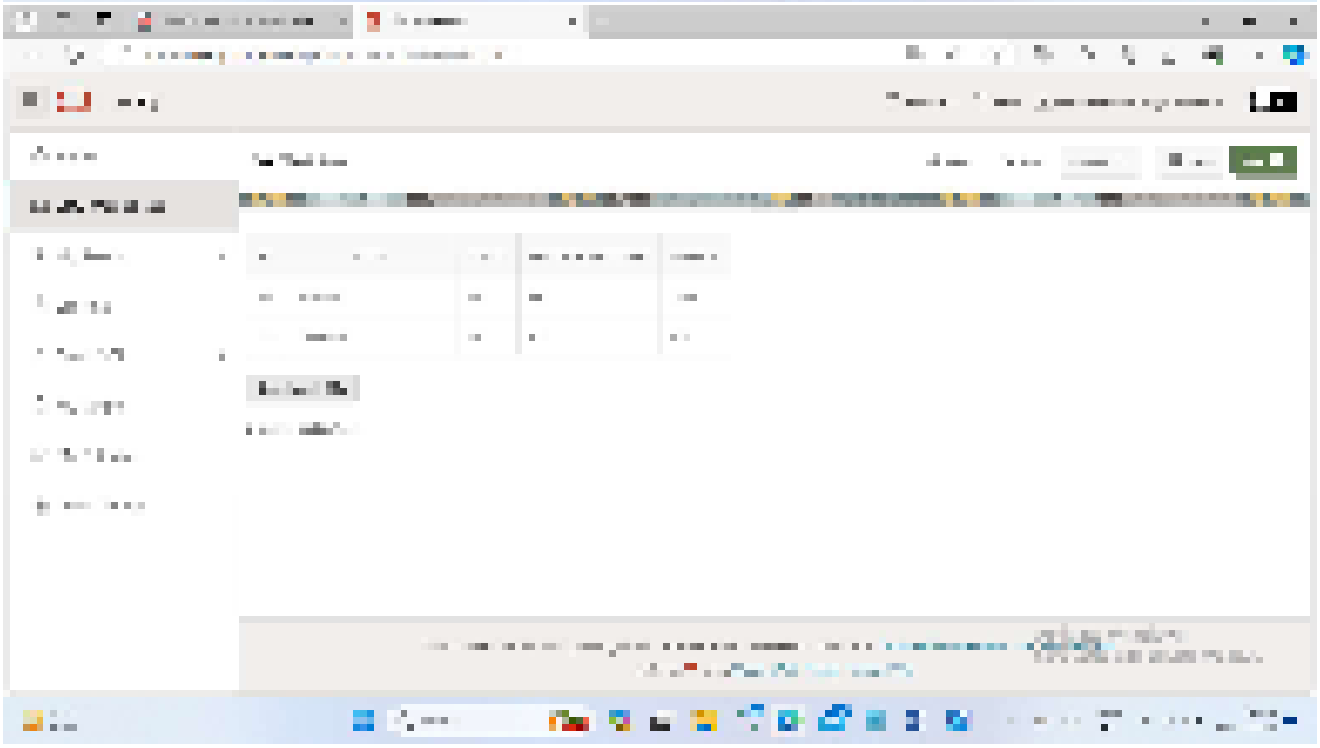
Q4) Execute a query to select Northern stations (Northern latitude > 39.7).

ANS :





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Q5) Create another table, ‘STATS’, to store normalized temperature and precipitation data:

(There will be no Duplicate ID and MONTH combination.)

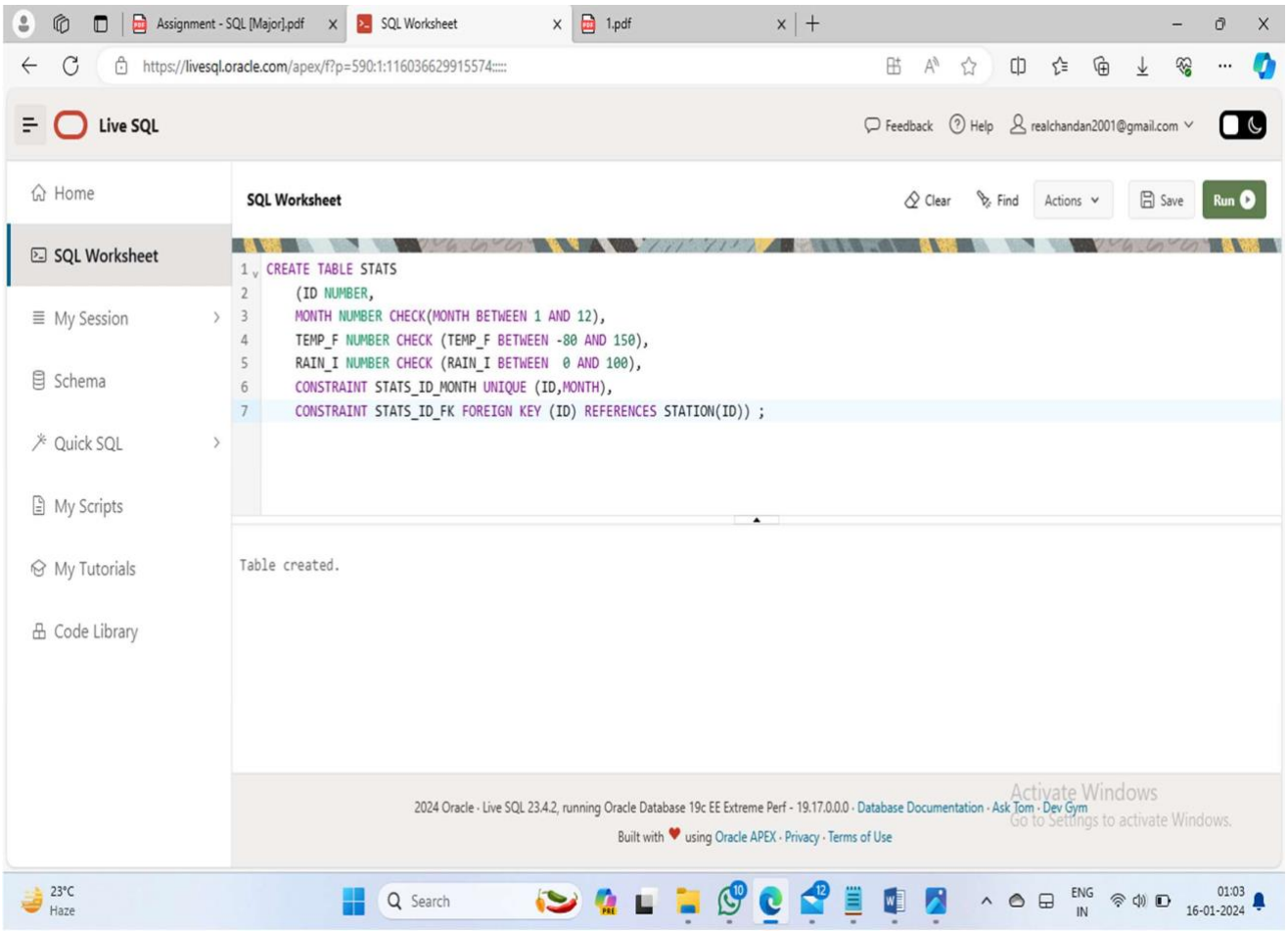
ID must match with same ID from the STATION table (so name & location will be known).

MONTH Number The range of months is between (1 and 12)

TEMP_F Number Temperature is in Fahrenheit degrees, Ranging between (-80 and 150)

RAIN_I Number Rain is in inches, Ranging between (0 and 100)

ANS :



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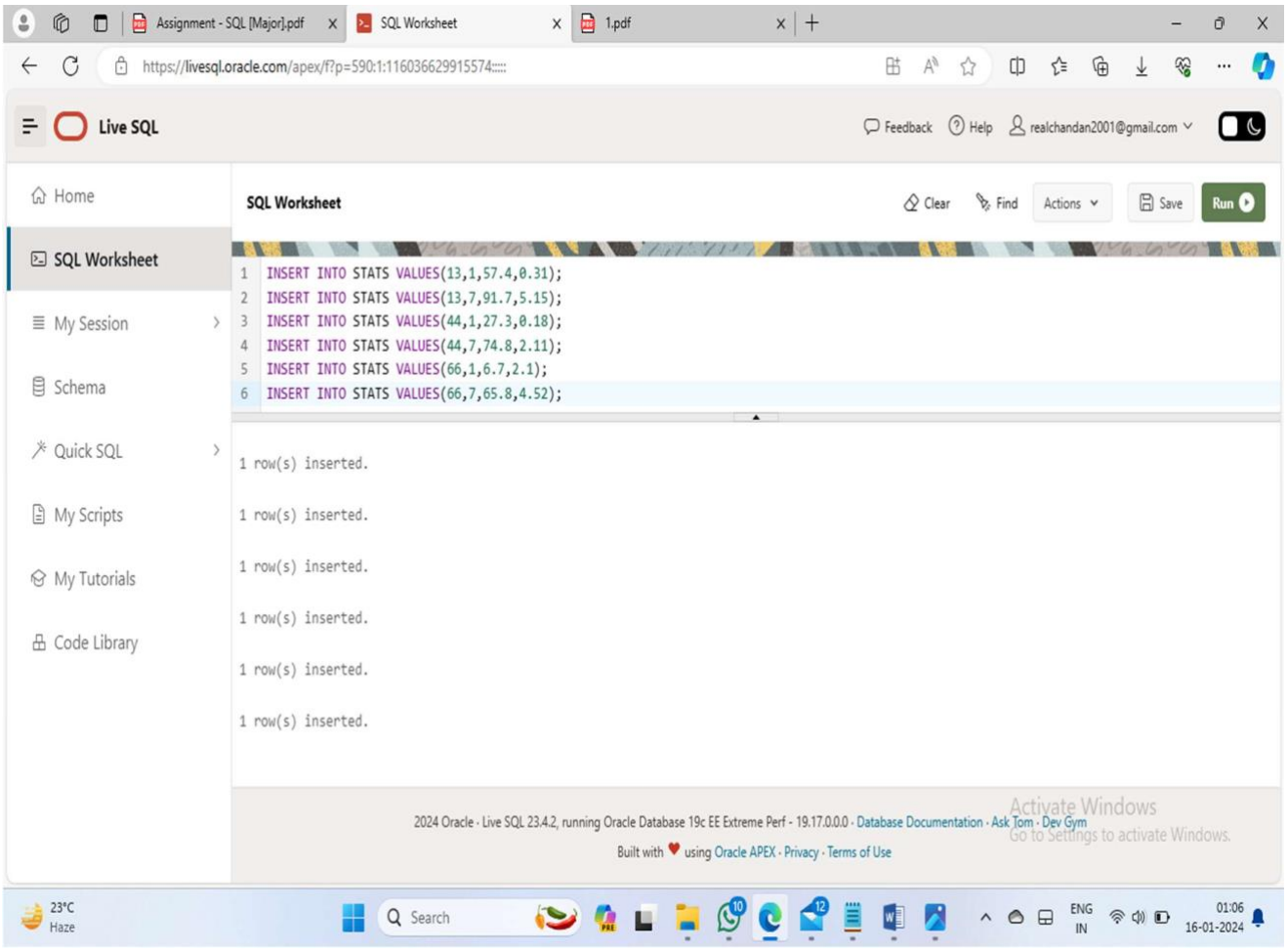
Q6) Populate the table STATS with some statistics for January and July:

ANS :



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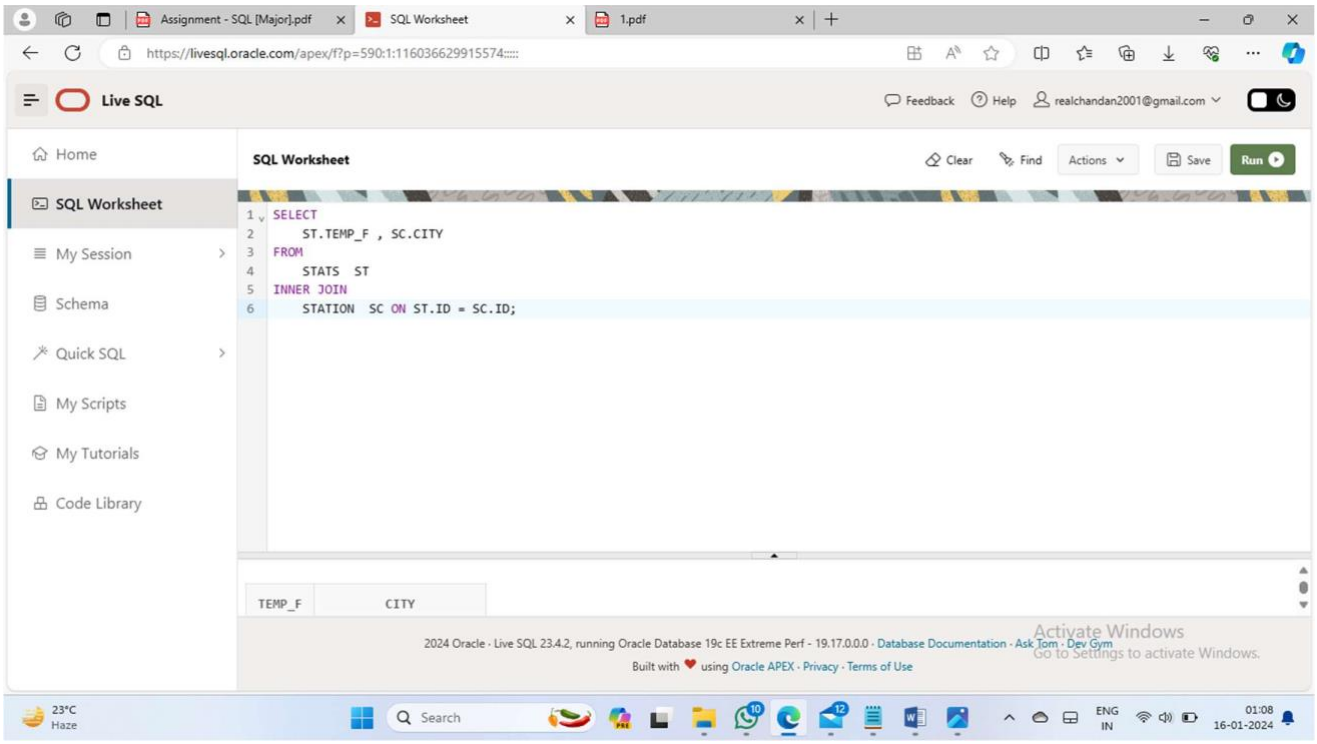
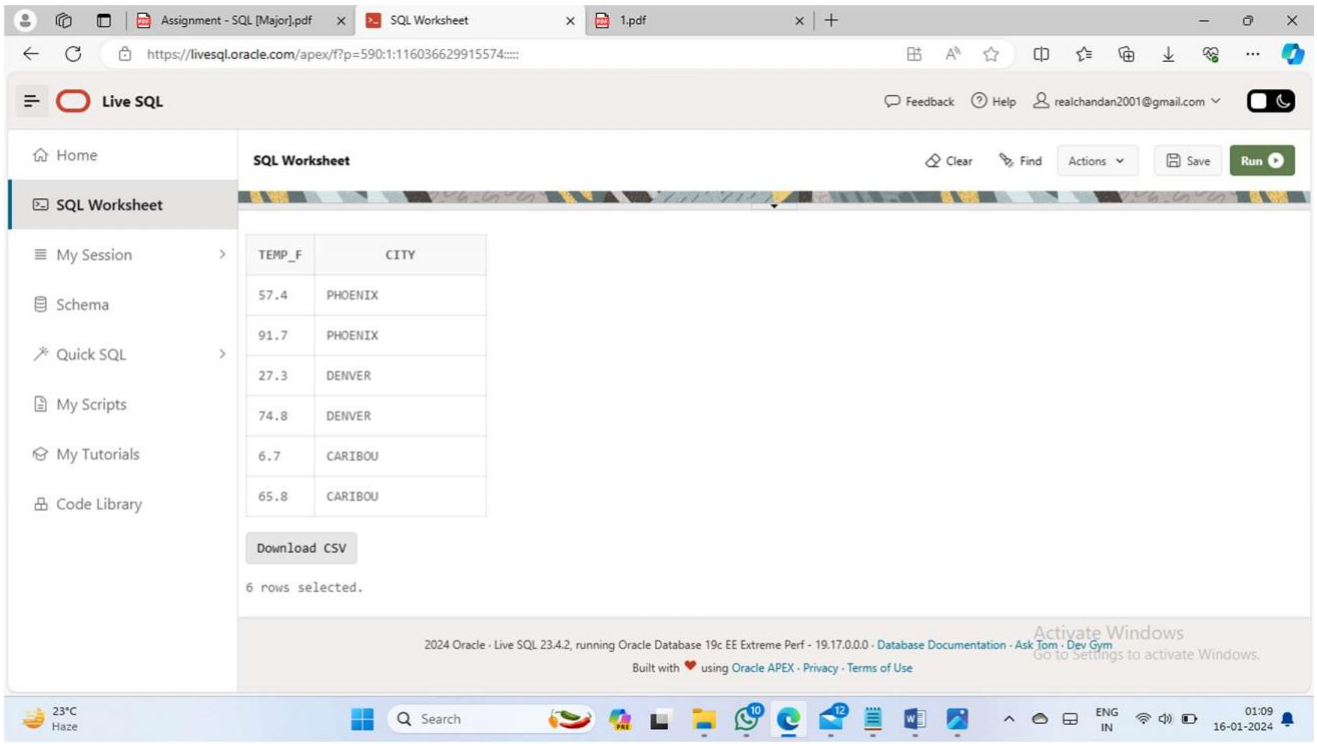
Q7) Execute a query to display temperature stats (from the STATS table) for each city (from the STATION table).

ANS :





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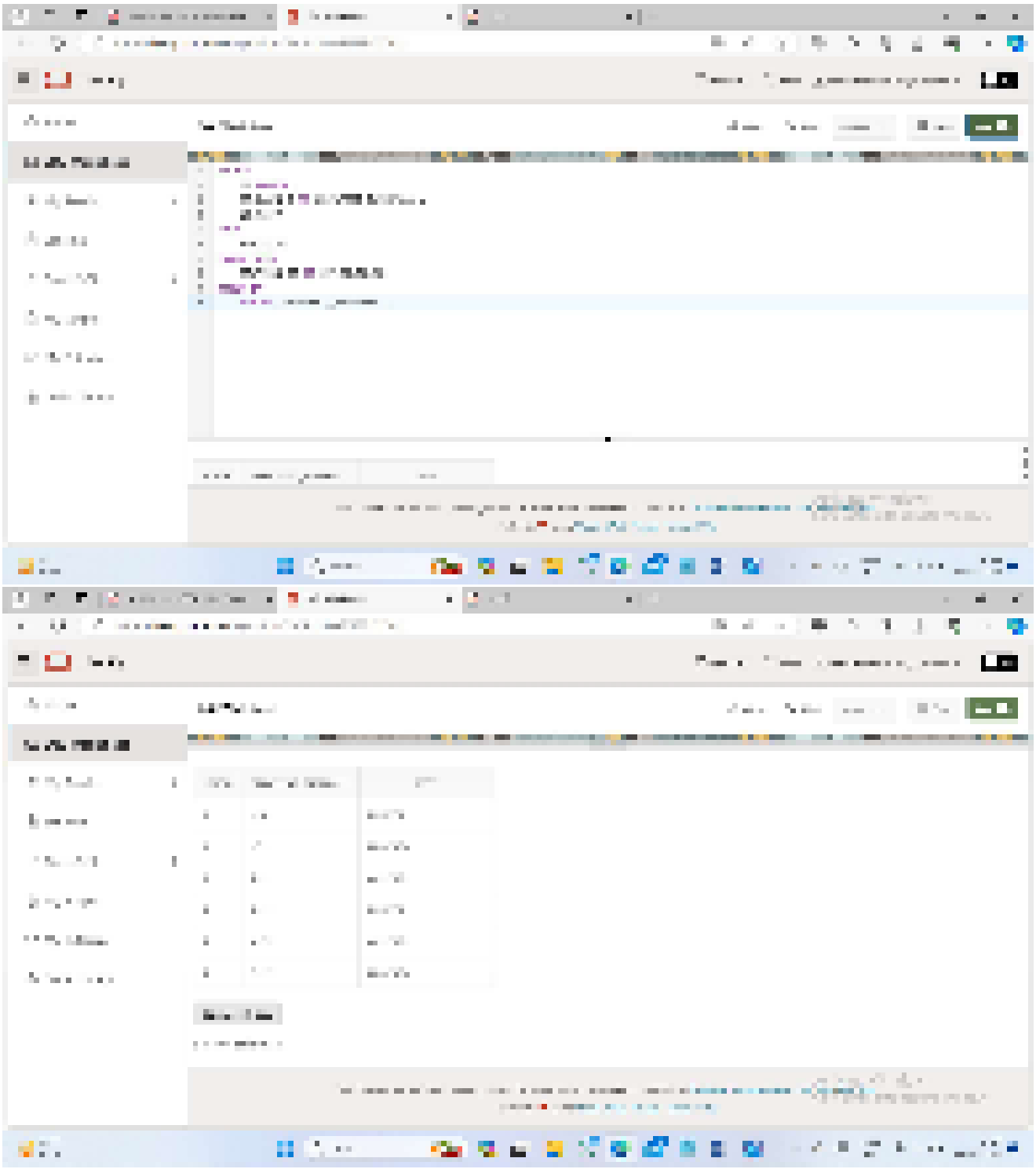
Q8) Execute a query to look at the table STATS, ordered by month and greatest rainfall, with columns rearranged. It should also show the corresponding cities.

ANS :



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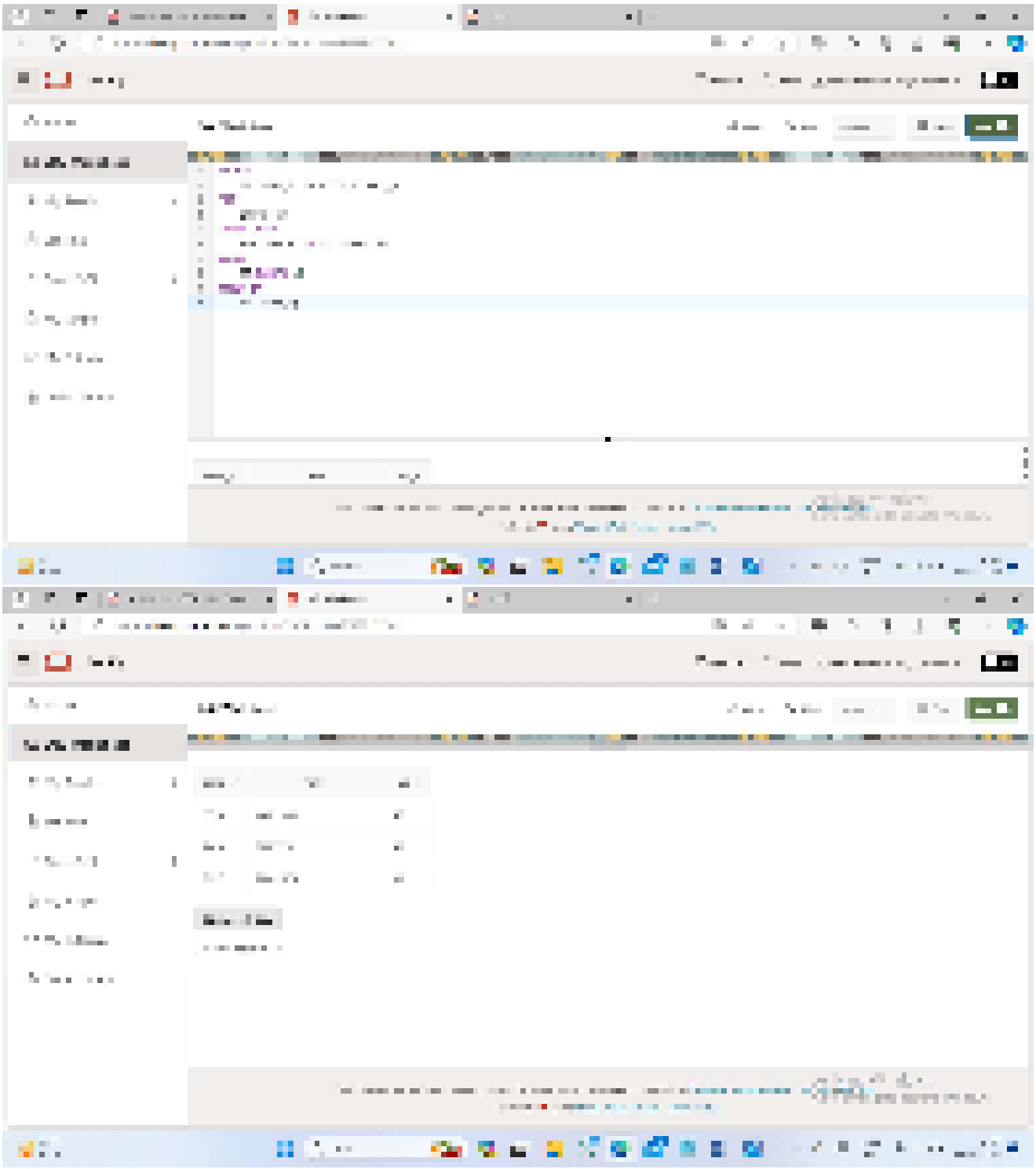
Q9) Execute a query to look at temperatures for July from table STATS, lowest temperatures first, picking up city name and latitude.

ANS :



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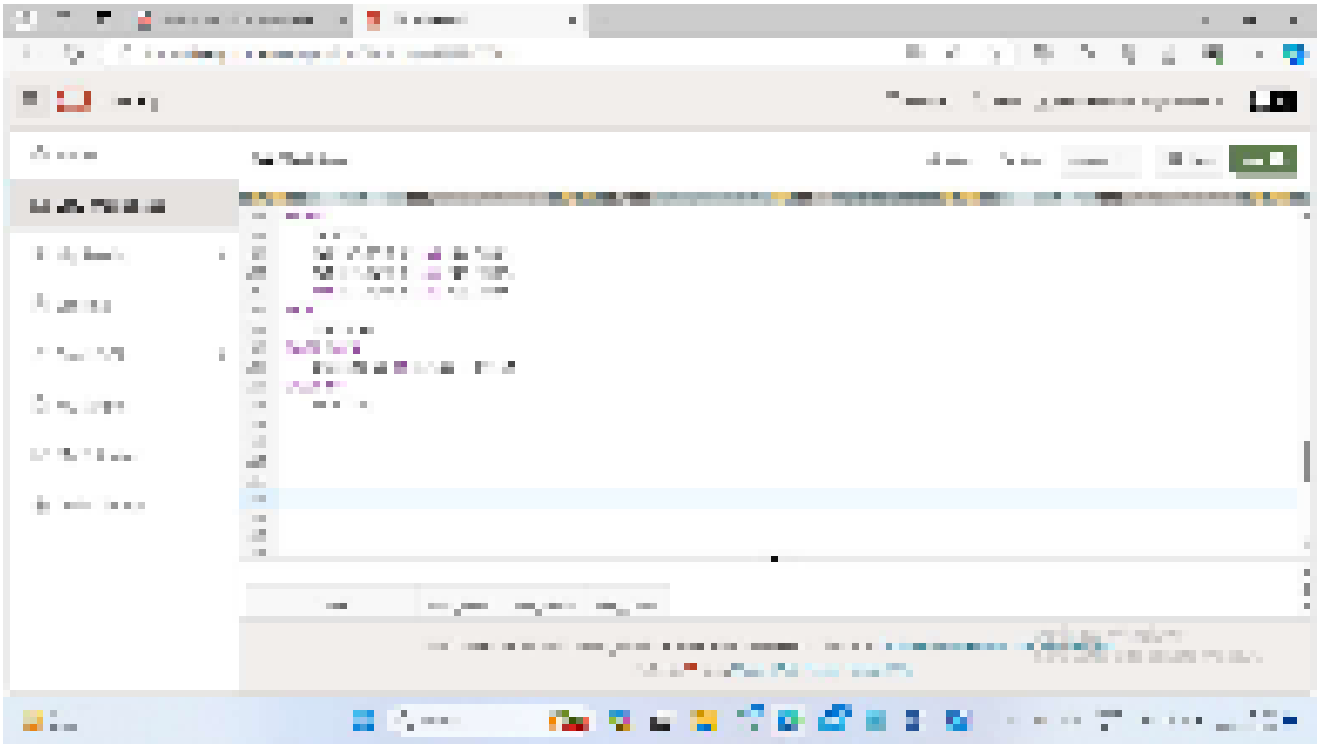
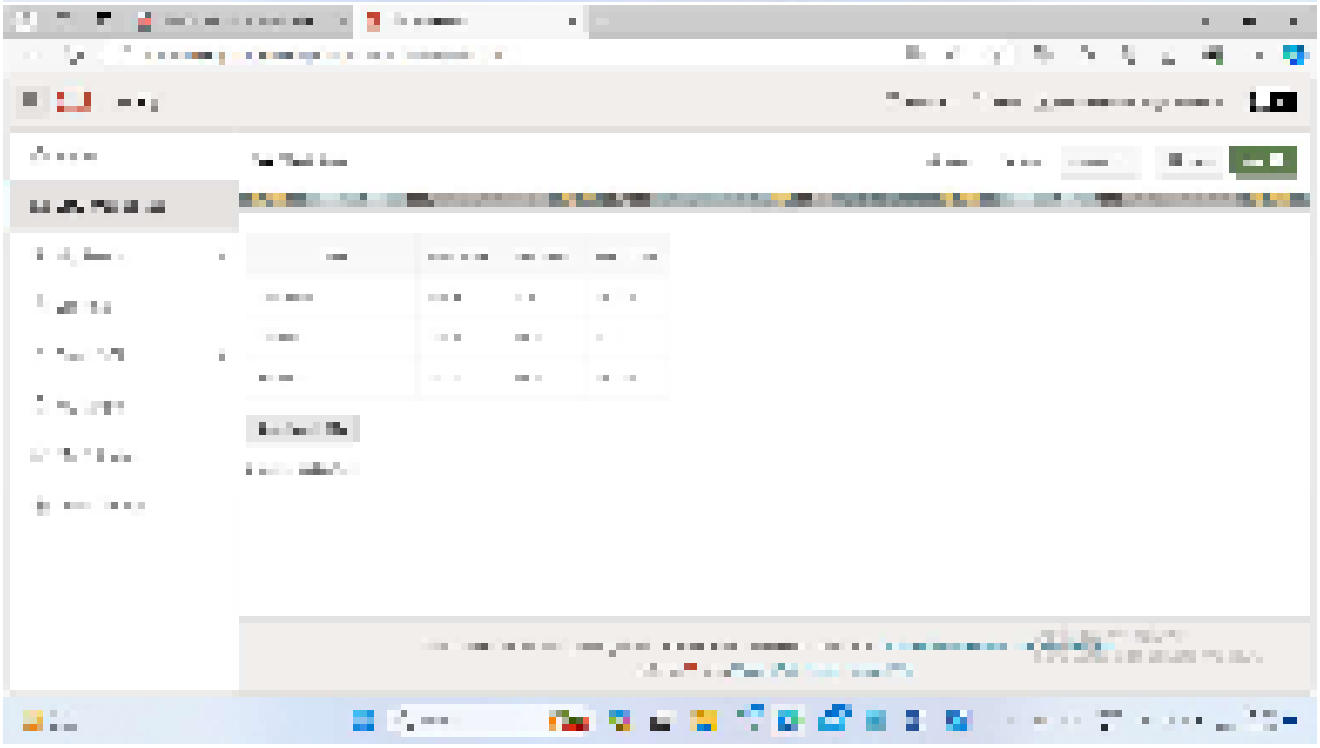
Q10) Execute a query to show MAX and MIN temperatures as well as average rainfall for each city.

ANS :





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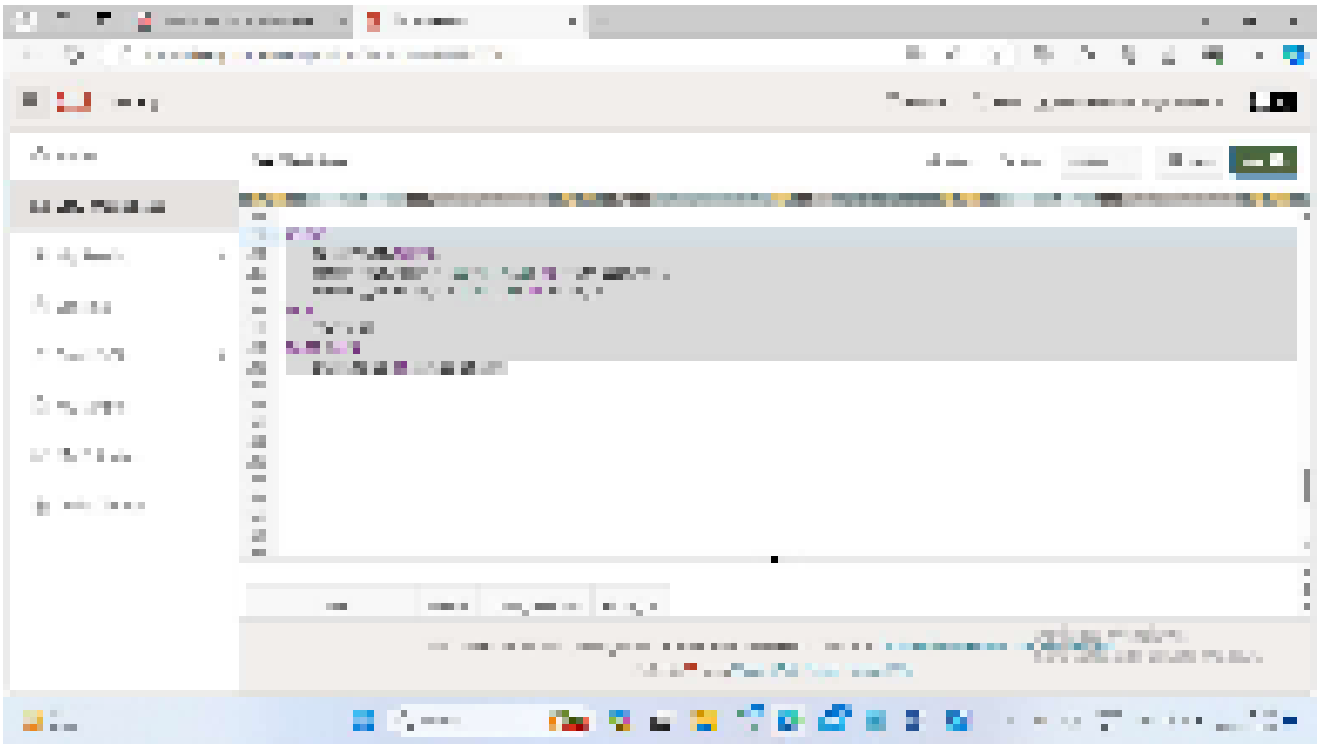
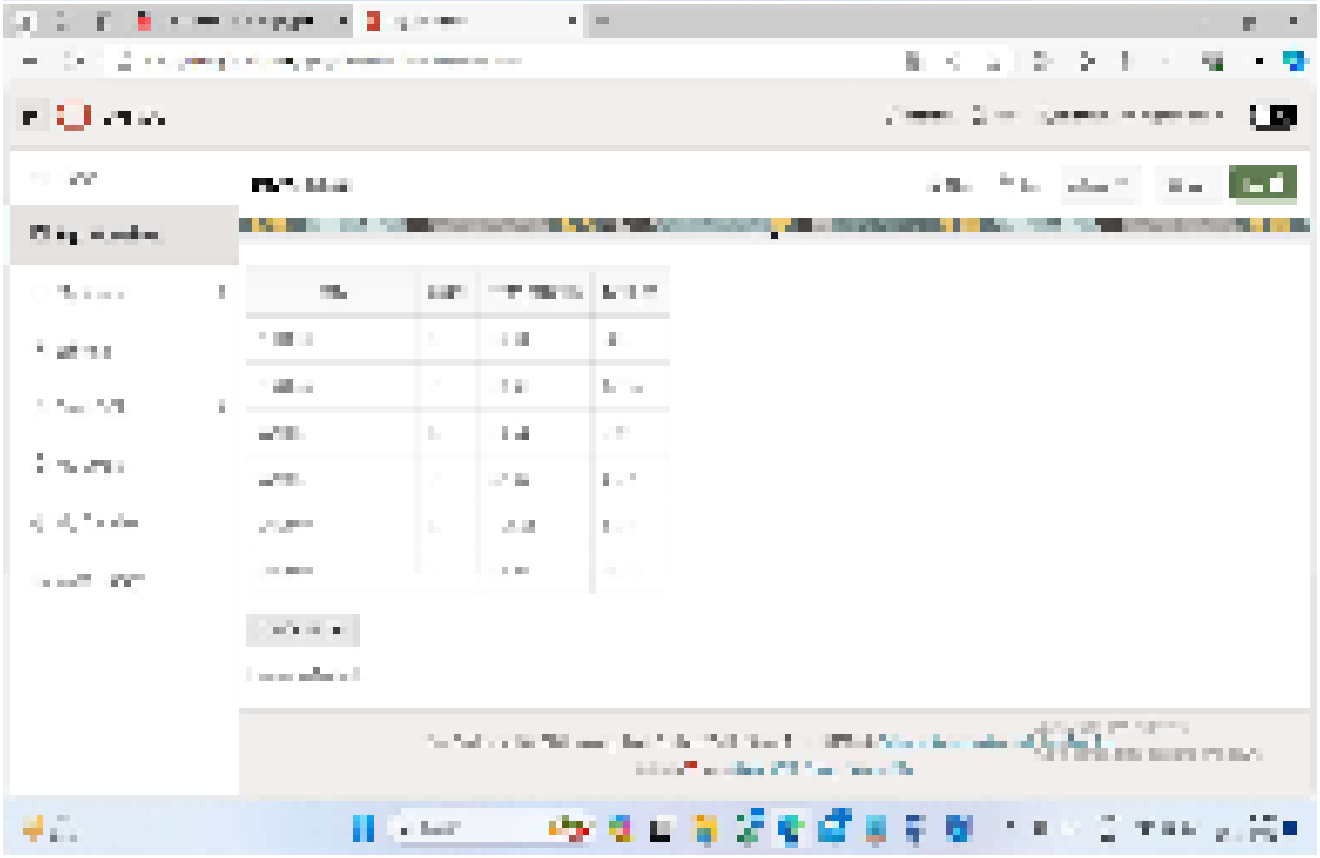
Q11) Execute a query to display each city's monthly temperature in Celsius and rainfall in Centimeter.

ANS :





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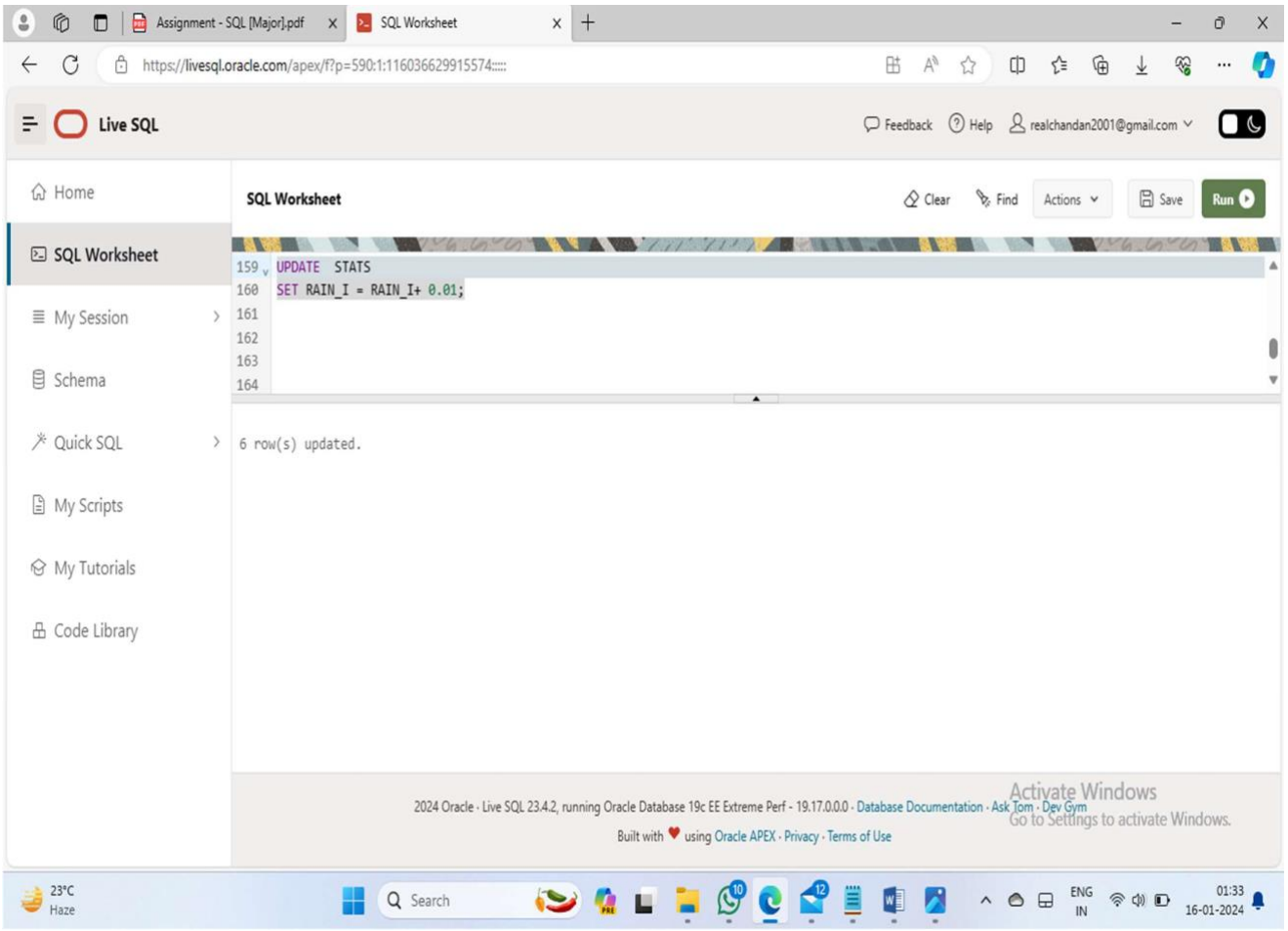
Q12) Update all rows of table STATS to compensate for faulty rain gauges known to read 0.01 inches low.

ANS :



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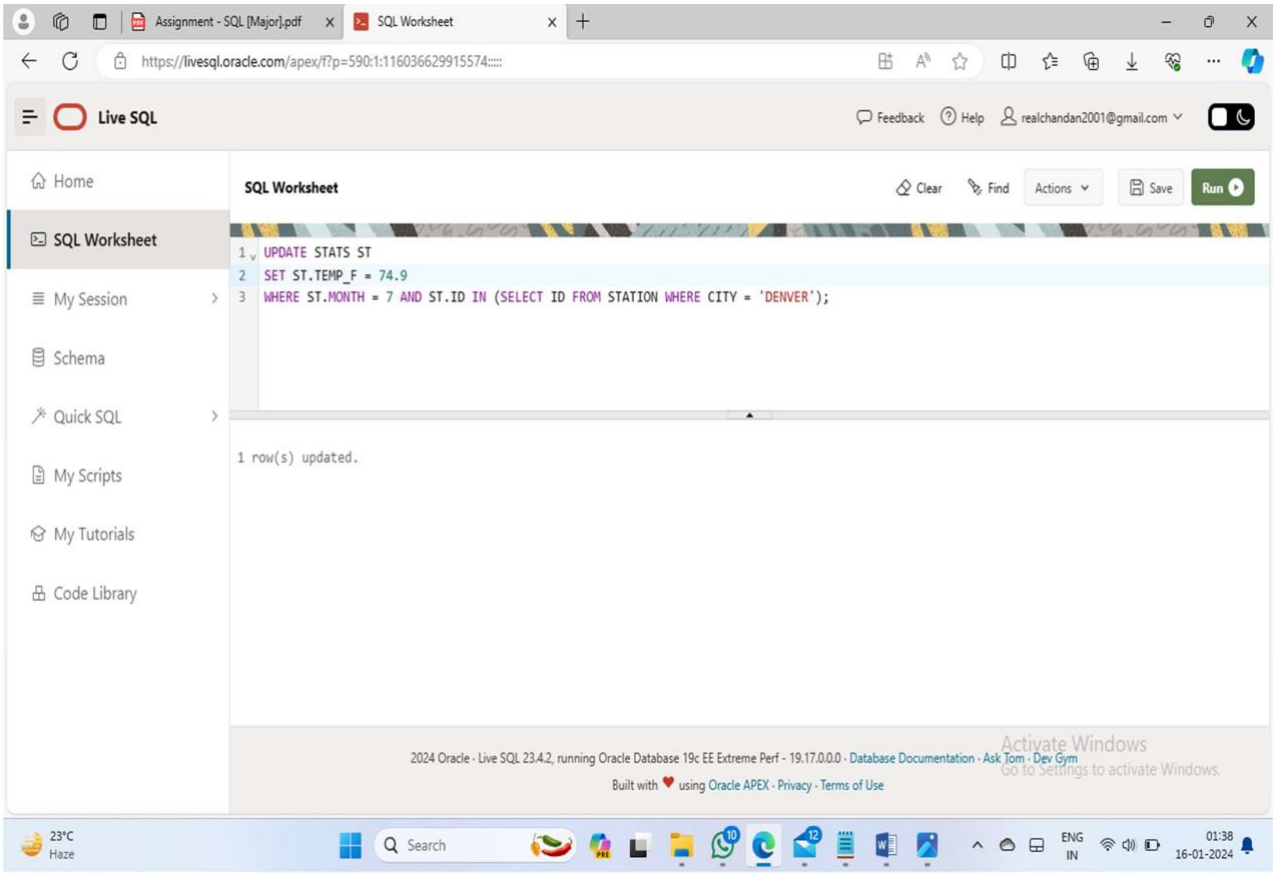
Q13) Update Denver's July temperature reading as 74.9.