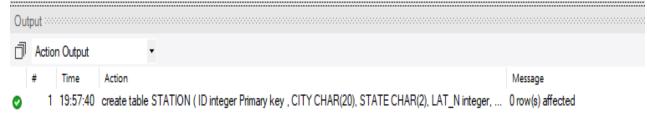
Assignment - SQL [Major]

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

Page | 1

ID	Number	Primary key
CITY	CHAR(20)	
STATE	CHAR(2)	
LAT_N	Number	
LONG_W	Number	





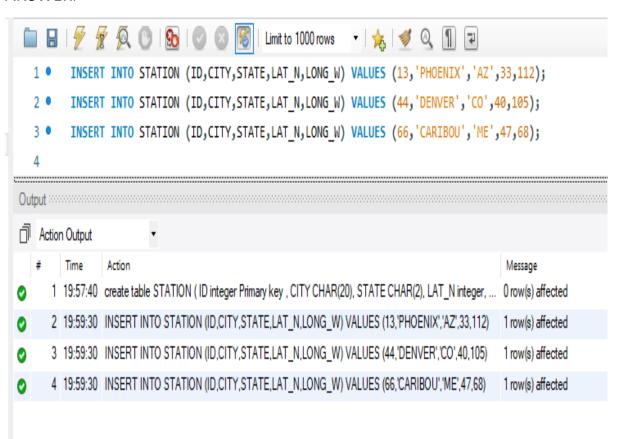
Assignment - SQL [Major]

Q 2: Insert the following records into the table:

Page | 2

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

ANSWER:



Rishi Kumar Mishra

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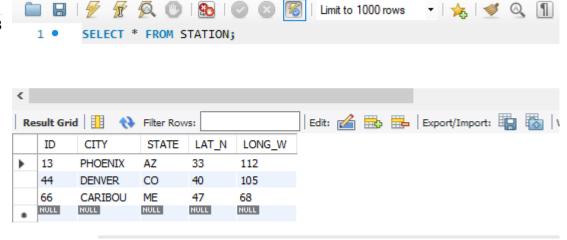
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Assignment - SQL [Major]

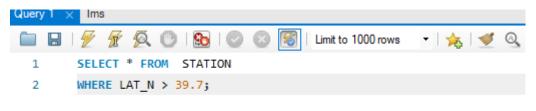
Q3: Execute a guery to look at table STATION in undefined order.

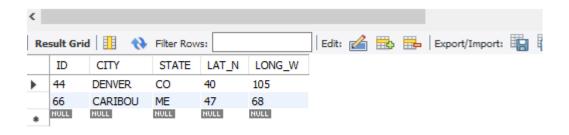
Answer





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





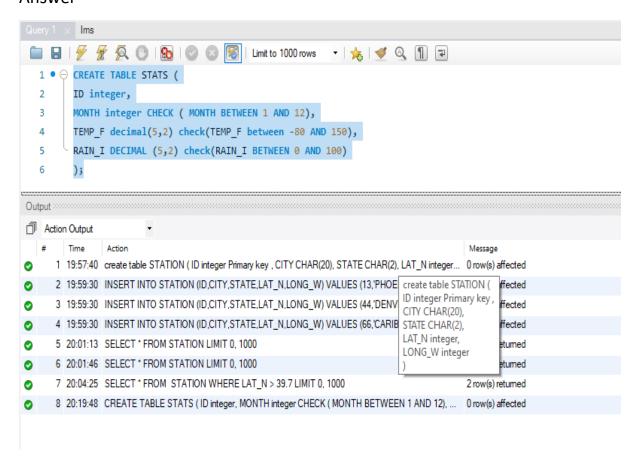
Assignment - SQL [Major]

Q5: Create another table 'STATS' to store normalized temperature and precipitation data.

Page | 4

Column	Data type	Remark	
ID	Number	ID must match with some 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)	

There will be no Duplicate ID and MONTH combination.

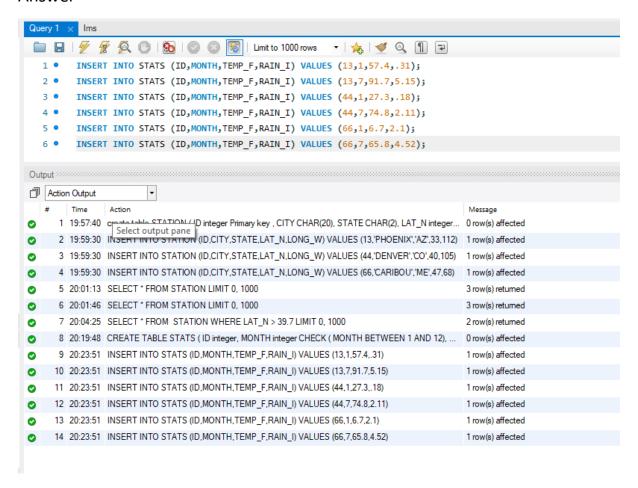


Assignment - SQL [Major]

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

Page | 5

ID	монтн	TEMP_F	RAIN_I
13	1	57.4	.31
13	7	91.7	5.15
44	1	27.3	.18
44	7	74.8	2.11
66	1	6.7	2.1
66	7	65.8	4.52

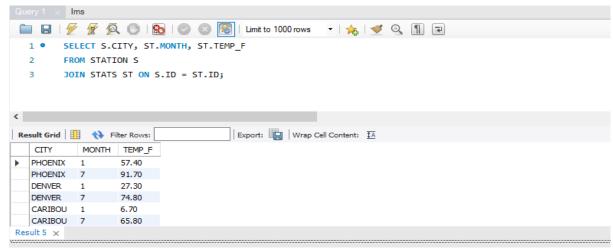


Assignment - SQL [Major]

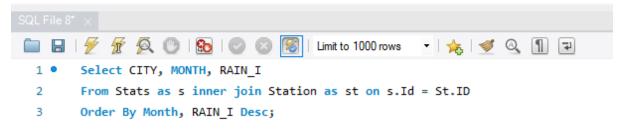
Q7: Execute a query to display temperature stats (from the **STATS** table) for each city (from the **STATION** table).

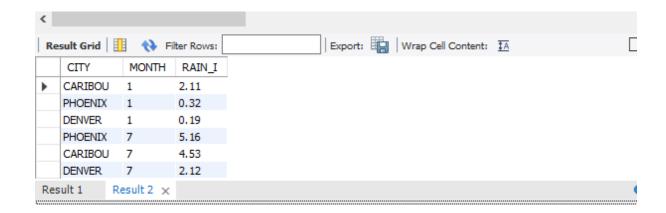
Answer





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.





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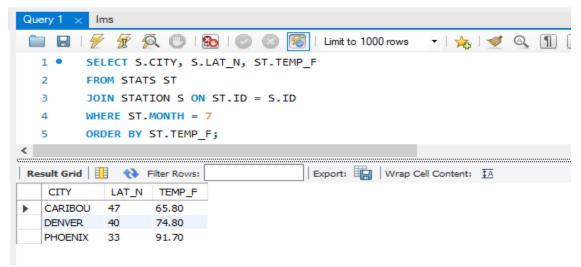
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Assignment - SQL [Major]

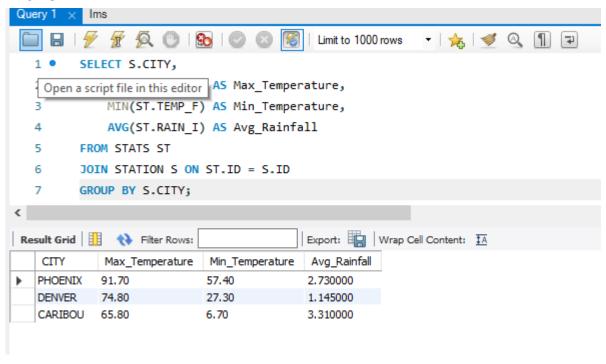
Q9: Execute a query to look at temperatures for **July** from table **STATS**, lowest temperatures first, picking up **city name** and **latitude**.

Answer





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



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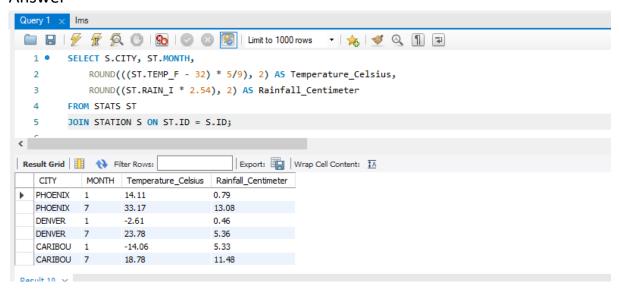
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Assignment - SQL [Major]

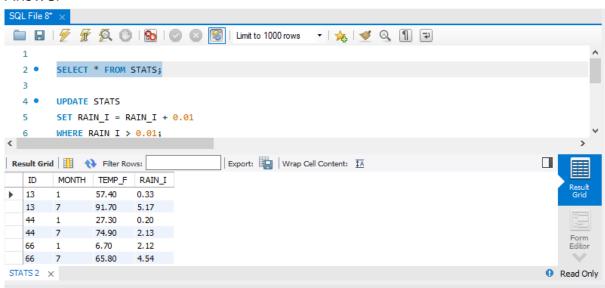
Q11: Execute a query to display each city's monthly temperature in **Celsius** and rainfall in Centimetres.

Answer

Page | 8



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

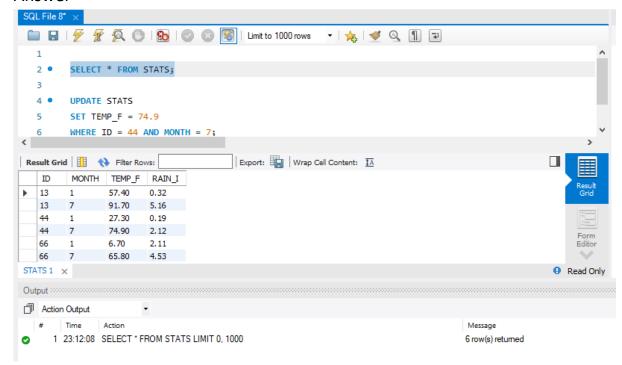


Assignment - SQL [Major]

Q13: Update **Denver's July** temperature reading as **74.9**.

Answer

Page | 9



THANK YOU