Assignment 2:



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D2P1: Write a SQL query to create an Electricity table with following fields.

Table Name: Electricity

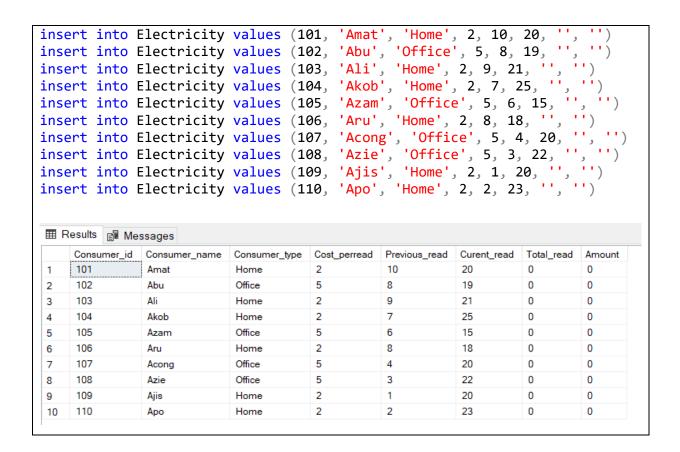
Column Name	Data Types			
Consumer_id	Int			
Consumer_name	Varchar(50)			
Consumer_type	Varchar(50)			
Cost_perread	int			
Previous_read	Int			
Current_read	Int			
Total_read	Int			
Amount	Int			

Answer:

```
create table Electricity (Consumer_id int, Consumer_name
varchar(50), Consumer_type varchar(50), Cost_perread int,
Previous_read int, Curent_reat int, Total_read int, Amount int)
```

D2P2: Write a SQL query to insert any 10 Consumer records.

Note: Current_read should be greater than the Previous_read. Consumer_type should be either "Home" or Office. If Consumer_type is "Home" than Cost_perread is 2 otherwise if Consumer_type is "Office" than Cost_perread is 5. Insert null records to the Total_read and Amount column.



D2P3: Write a SQL query to display all Consumer records.

Ⅲ F	Results 📳 Me	ssages						
	Consumer_id	Consumer_name	Consumer_type	Cost_perread	Previous_read	Curent_read	Total_read	Amount
1	101	Amat	Home	2	10	20	0	0
2	102	Abu	Office	5	8	19	0	0
3	103	Ali	Home	2	9	21	0	0
4	104	Akob	Home	2	7	25	0	0
5	105	Azam	Office	5	6	15	0	0
6	106	Aru	Home	2	8	18	0	0
7	107	Acong	Office	5	4	20	0	0
8	108	Azie	Office	5	3	22	0	0
9	109	Ajis	Home	2	1	20	0	0
10	110	Аро	Home	2	2	23	0	0

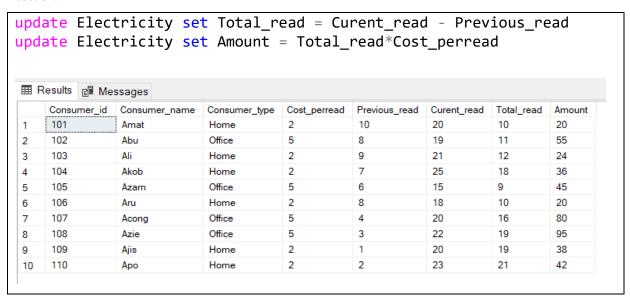
D2P4: Write a SQL query to update the total_read and amount column.

Note:

Total_read=Current_read - Previous_read

*Amount=Total_read * cost_perread*

Answer:

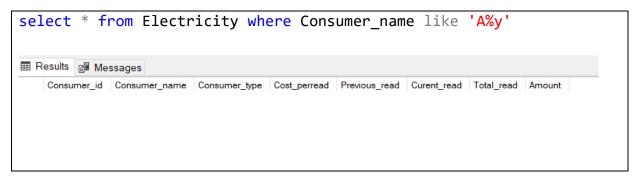


D2P5: Write a SQL query to display the Consumer whose name start with "A".

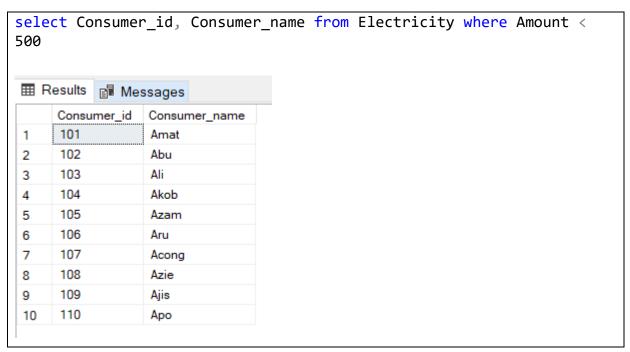
sel	<pre>select * from Electricity where Consumer_name like 'A%'</pre>									
⊞ F	⊞ Results									
	Consumer_id	Consumer_name	Consumer_type	Cost_perread	Previous_read	Curent_read	Total_read	Amount		
1	101	Amat	Home	2	10	20	10	20		
2	102	Abu	Office	5	8	19	11	55		
3	103	Ali	Home	2	9	21	12	24		
4	104	Akob	Home	2	7	25	18	36		
5	105	Azam	Office	5	6	15	9	45		
6	106	Aru	Home	2	8	18	10	20		
7	107	Acong	Office	5	4	20	16	80		
8	108	Azie	Office	5	3	22	19	95		
9	109	Ajis	Home	2	1	20	19	38		
10	110	Apo	Home	2	2	23	21	42		

D2P6: Write a SQL query to display the Consumer records whose name start with "A" and end with "y".

Answer:



D2P7: Write a SQL query to display the Consumer_id and Consumer_name whose Amount<500.



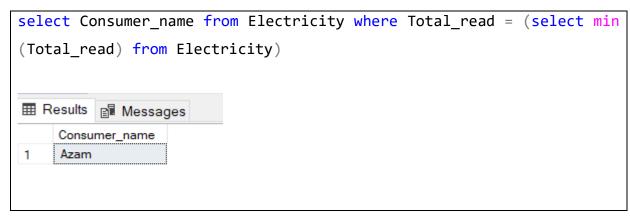
D2P8: Write a SQL query to display Consumer records whose Amount between 100 to 200.

Answer:

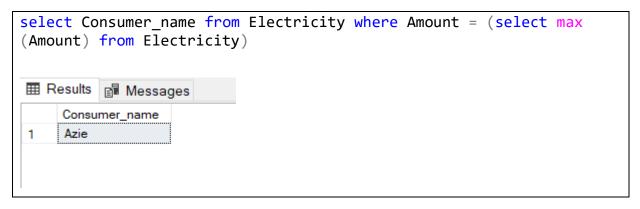


D2P9: Write a SQL query to display the Consumer_name who's having lowest Total_read.

Answer:

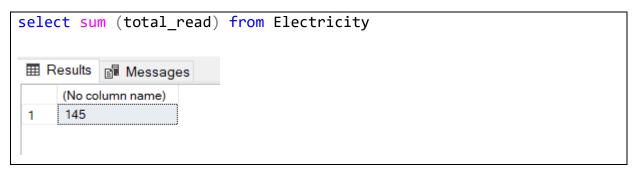


D2P10: Write a SQL query to display the Consumer_name who's having highest Amount.



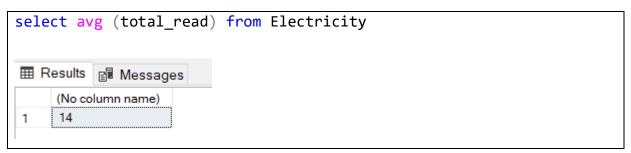
D2P11: Write a SQL query to display sum of the total_read.

Answer:

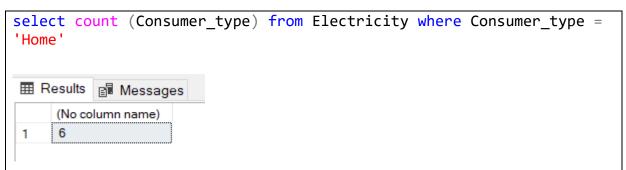


D2P12: Write a SQL query to display average of the total_read.

Answer:

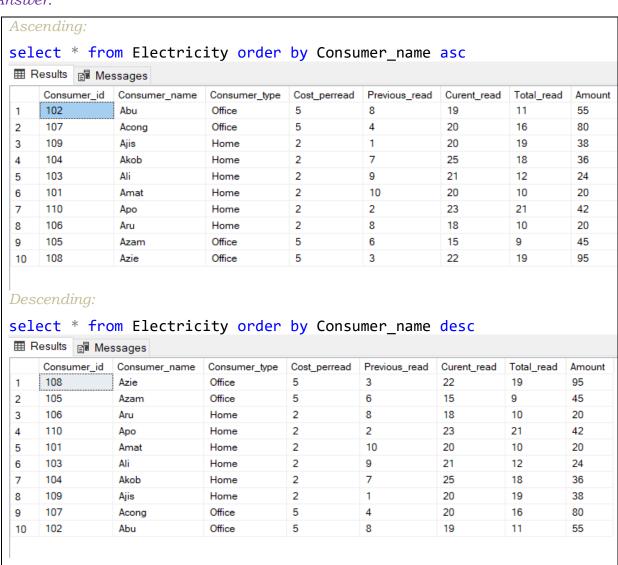


D2P13: Write a SQL query to display number of "Home" Consumers.



D2P14: Write a SQL query to sort (both ascending and descending order) the Consumer regarding their names.

Answer:



***** ALL THE BEST *****