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U6188086_Assignment06.sql - AS6 - Visual Studio Code

6188041_Assignment06.sql U6188089_Assignment06.sql U6188086_Assignment06.sql X
1 use ALEXAMARA
2
3 -- Q1 Write a query to show SlipID that does not request for servi
4 SELECT SlipID FROM MarinaSlip
5 EXCEPT
6 SELECT SlipID FROM ServiceRequest
7

```

RESULTS	
SlipID	
9	
10	

```

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1 use ALEXAMARA
2
3 -- Q1 Write a query to show SlipID that does not request for servi
4 SELECT SlipID FROM MarinaSlip
5 EXCEPT
6 SELECT SlipID FROM ServiceRequest
7
8 -- Q2 Write a query to display Distinct Status using SET operation
9 SELECT DISTINCT Status
10 FROM ServiceRequest
11 EXCEPT
12 (
13     SELECT Status
14     FROM ServiceRequest
15     WHERE Status = 'Open'
16 );
17

```

RESULTS	
Status	
Overlap has be...	
Scheduled	
Service call has...	
Technician has ...	
Technician has ...	
Technician has ...	
Technician has ...	
Technician has ...	
Technician not ...	
Technician sus...	

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9 SELECT DISTINCT Status
10 FROM ServiceRequest
11 EXCEPT
12 (
13     SELECT Status
14     FROM ServiceRequest
15     WHERE Status = 'Open'
16 );
17
18 -- Q3 List all distinct City and State of Owner using SET operation
19 SELECT City, State FROM Owner
20 UNION
21 SELECT City, State FROM Owner
22 ORDER BY City DESC, State DESC

```

City	State
Rivard	FL
Lewiston	FL
Kaleva	FL
Glander Bay	FL
Bowton	FL
Bay Shores	FL

```

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6188041_Assignment06.sql U6188089_Assignment06.sql U6188086_Assignment06.sql X
17
18 -- Q3 List all distinct City and State of Owner using SET operation
19 SELECT City, State FROM Owner
20 UNION
21 SELECT City, State FROM Owner
22 ORDER BY City DESC, State DESC
23 -- Q4 For each Owner and Marina, list all City using SET operation
24 SELECT City FROM Owner
25 UNION
26 SELECT City FROM Marina
27 ORDER BY City ASC

```

City
Bay Shores
Bowton
Brinman
Glander Bay
Kaleva
Lewiston
Rivard
W Brinman

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```

22 ORDER BY City DESC, State DESC
23 -- Q4 For each Owner and Marina, list all City
24 SELECT City FROM Owner
25 UNION
26 SELECT City FROM Marina
27 ORDER BY City ASC
28 -- Q5 For each Owner, get additional column with
29 SELECT * FROM Owner
30 CROSS APPLY(
31     SELECT SlipID
32     FROM MarinaSlip
33     WHERE MarinaSlip.OwnerNum = Owner.OwnerNum
34 ) AS SlipID
35 CROSS APPLY(
36     SELECT BoatType
37     FROM MarinaSlip
38     WHERE MarinaSlip.OwnerNum = Owner.OwnerNum
39 ) AS BoatType
40 -- Q6 For each Marina, get Name of Marina and

```

RESULTS

	Address	City	State	Zip	SlipID	BoatType
	18 Wilcox	Glander Bay	FL	31044	1	Sprite 4000
	18 Wilcox	Glander Bay	FL	31044	5	Sprite 4000
Bill ...	462 Riverside	Rivard	FL	31062	2	Ray 4025
	5271 Waters	Bowton	FL	31313	3	Sprite 4000
	8922 Oak	Rivard	FL	31062	4	Dolphin 28
	18 Wilcox	Glander Bay	FL	31044	1	Sprite 3000
	18 Wilcox	Glander Bay	FL	31044	5	Sprite 3000
Jean...	208 Citrus	Bowton	FL	31313	6	Dolphin 25
	7822 Coventry	Kaleva	FL	32521	7	Dolphin 22
Dav...	922 Garland	Glander Bay	FL	31044	8	Dolphin 25
	2672 Commod...	Bowton	FL	31313	9	Dolphin 28
	2811 Lakewood	Lewiston	FL	32765	10	Dolphin 40
	922 Crest	Bay Shores	FL	30992	11	Ray 4025

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27 ORDER BY City ASC
28 -- Q5 For each Owner, get additional column with SlipID and BoatType using APPLY
29 SELECT * FROM Owner
30 CROSS APPLY(
31     SELECT SlipID
32     FROM MarinaSlip
33     WHERE MarinaSlip.OwnerNum = Owner.OwnerNum
34 ) AS SlipID
35 CROSS APPLY(
36     SELECT BoatType
37     FROM MarinaSlip
38     WHERE MarinaSlip.OwnerNum = Owner.OwnerNum
39 ) AS BoatType
40 -- Q6 For each Marina, get Name of Marina and Max rental fee
41 SELECT Name, M.Max_Rental_Fee FROM Marina
42 CROSS APPLY(
43     SELECT MAX(MarinaSlip.RentalFee) AS Max_Rental_Fee
44     FROM MarinaSlip
45     WHERE MarinaSlip.MarinaNum = Marina.MarinaNum
46 ) AS M

```

RESULTS

	Name	Max_Rental_Fee
1	Alexamara East...	3800.00
2	Alexamara Cen...	4200.00

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```

29 SELECT * FROM Owner
30 CROSS APPLY(
31     SELECT SlipID
32     FROM MarinaSlip
33     WHERE MarinaSlip.OwnerNum = Owner.OwnerNum
34 ) AS SlipID
35 CROSS APPLY(
36     SELECT BoatType
37     FROM MarinaSlip
38     WHERE MarinaSlip.OwnerNum = Owner.OwnerNum
39 ) AS BoatType
40 -- Q6 For each Marina, get Name of Marina and Ma
41 SELECT Name, M.Max_Rental_Fee FROM Marina
42 CROSS APPLY(
43     SELECT MAX(MarinaSlip.RentalFee) AS Max_Renta
44     FROM MarinaSlip
45     WHERE MarinaSlip.MarinaNum = Marina.MarinaNum
46 ) AS M
47 -- Q7 For every Slip, list the marina number, sl
48 SELECT MarinaNum, SlipNum, BoatName, O.OwnerNum,
49 CROSS APPLY(
50     SELECT Owner.OwnerNum, Owner.FirstName, Owner
51     FROM Owner
52     WHERE Owner.OwnerNum = MarinaSlip.OwnerNum
53 ) AS O

```

RESULTS

	MarinaNum	SlipNum	BoatName	OwnerNum	FirstName	LastName
1	1	A1	Anderson II	AN75	Bill	Anderson
2	1	A2	Our Toy	EL25	Sandy and Bill	Elend
3	1	A3	Escape	KE22	Alyssa	Kelly
4	1	B1	Gypsy	JU92	Maria	Juarez
5	1	B2	Anderson III	AN75	Bill	Anderson
6	2	1	Bravo	AD57	Bruce and Jean...	Adney
7	2	2	Chinook	FE82	Daniel	Feenstra
8	2	3	Listy	SM72	Becky and Dav...	Smeltz
9	2	4	Mermaid	BL72	Mary	Blake
10	2	5	Axxon II	NO27	Peter	Norton
11	2	6	Karvel	TR72	Ashton	Trent