

Bluewater Marina Tables:

m\_marinas \* m\_marina\_slips \* m\_owners \* m\_previous\_owners \* m\_service\_categories \* m\_service\_requests

Notes:

- You do not have to work through the questions in sequence. Complete the questions you find easier first
- Tables are prefixed with **m\_** and stored in schema **LCPUBLIC**
- Create a file called **SQLT1.sql**
  - Add a comment line at the top containing **your name** and **student number**
  - Submit to dropbox SQLT1

1. List the rental fee, slip code, and boat name for every slip in marina 1 whose slip length is *between* 25 *and* 30. Sort by rental fee in descending order. Output shown below.

Fee	Slip	Boat Name
----- ----- -----		
2600.00	A5	Anderson III
2400.00	A4	Gypsy

2. List the marina id, rental fee, slip code, and boat name. Include boats in marina 1 with a rental fee greater than 3000. Also, include boats in marina 2 with a rental fee less than 4000. Sort rental fee within marina id.

MARINA_ID	RENTAL_FEE	SLIP_CODE	BOAT_NAME
----- ----- ----- -----			
1	3799.40	A3	Escape
1	3800.00	A1	Anderson II
1	3800.25	A2	Our Toy
2	1800.00	B1	Bravo
2	1800.00	B2	Chinook
2	2000.00	B3	Listy
2	2500.00	B4	Mermaid

3. List the marina id, slip length, and boat name for all slips containing a boat type Sprite 4000, Sprite 3000, or Ray 4025. *Do not use OR*. Sort boat name within slip length descending sequence within marina id.

MARINA_ID	SLIP_LENGTH	BOAT_NAME
----- ----- -----		
1	40	Anderson II
1	40	Escape
1	40	Our Toy
1	30	Anderson III
2	40	Karvel

4. The marina is considering an 8.75 percent increase in boat rental fees. List the boat name, rental fee (as Old Rental Fee), and new rental fee (as New Rental Fee). Calculate New Rental Fee by multiplying rental fee by 1.0875. Sort by new rental fee in descending order. Return only rows where the new rental fee is greater than 4000.00. Format the output as shown.

Boat Name	Old Rental Fee	New Rental Fee
-----	-----	-----
Karvel	\$ 4,200.75	\$ 4,568.32
My Get Away	\$ 4,200.75	\$ 4,568.32
Axxon II	\$ 4,200.00	\$ 4,567.50
Our Toy	\$ 3,800.25	\$ 4,132.77
Anderson II	\$ 3,800.00	\$ 4,132.50
Escape	\$ 3,799.40	\$ 4,131.85

5. The marina wants a listing of scheduled service dates. List the slip code and next service date for the year 2019 and beyond. Format output as shown. Sort by slip.

Bind parameter(s)		
#	Name	Value
1	Enter_year	2019

Slip	Next Service
----	-----
A1	Tuesday, August, 13, 2019
A2	Friday, September, 25, 2020
A3	Thursday, June, 13, 2019
A4	Thursday, May, 16, 2019
B1	Monday, May, 13, 2019
B2	Tuesday, July, 16, 2019
B2	Wednesday, May, 01, 2019
B6	Sunday, May, 10, 2020
B6	Thursday, May, 02, 2019

6. List marina id, category, rental fee, and slip code. Use the headings shown below. Sort rental fee within category within marine id. Category is determined by the rental fee:

Rental fee >= 4200, category = "Gold customer"  
Rental fee 3600 - 4199, category = "Silver customer"  
Rental fee 2000 - 3599, category = "Bronze customer"  
Rental fee 0 - 1999, category = "Not Categorized"

Marina	Category	Fee	Slip
-----	-----	-----	----
1	Bronze customer	2400.00	A4
1	Bronze customer	2600.00	A5
1	Silver customer	3799.40	A3
1	Silver customer	3800.00	A1
1	Silver customer	3800.25	A2
2	Bronze customer	2000.00	B3
2	Bronze customer	2500.00	B4
2	Gold customer	4200.00	B5
2	Gold customer	4200.75	B6
2	Not categorized	1800.00	B1
2	Not categorized	1800.00	B2
3	Bronze customer	2500.00	C1
3	Gold customer	4200.75	C3
3	Not categorized	1800.00	C2

7. List the boat name, slip length, and rental fee for all boats. Round rental fee *up* to the nearest dollar with zero decimal places. Only return boats with rental fees greater than or equal to 3800.00. Sort by boat name.

Note: The original rental fee for Escape is 3799.40

BOAT_NAME	SLIP_LENGTH	RENTAL_FEE
-----	-----	-----
Anderson II	40	3800
Axxon II	40	4200
Escape	40	3800
Karvel	40	4201
My Get Away	40	4201
Our Toy	40	3801

8. Labor is billed at \$119.999 per hour. List the slip code, estimated hours, and estimated labor cost. To obtain the estimated labor cost, multiply the estimated hours by \$119.999 and round to two decimals. Use the column name ESTIMATED\_COST for the estimated labor cost. Sort the output estimated cost from high to low. Only return service requests that have an estimated labor cost greater than or equal to 300.00. Format the output as shown.

SLIP_CODE	EST_HOURS	ESTIMATED_COST
-----	-----	-----
B2	8.00	959.99
B6	8.00	959.99
A2	7.00	839.99
B2	6.00	719.99
B3	5.00	600.00
B1	4.00	480.00
A1	4.00	480.00
A3	4.00	480.00
B6	2.50	300.00

9. List the owners from the M\_PREVIOUS\_OWNERS table that contain "and" in their name regardless of case. Output shown below. Sort by last name.

OWNER_NAME
-----
B. ADNEY
M. ANDERS
B. ANDERSON
S. ELEND
H. FEENSTRA
I. NDLON
A. NORTON
B. SMELTZ
H. TRENT

10. What are the lowest, highest, average, and total rental fees charged at marina 2. Format fees as shown. Use headings shown below.

Lowest fee	Highest fee	Average fee	Total rental fees
-----	-----	-----	-----
1,800.00	4,200.75	2,750.13	\$ 16,500.75

11. Return marina id, slip code, and boat name for all slips in marina's 1 and 3. Return, "No boat assigned" if a boat is not assigned to a slip.		
MARINA_ID	SLIP_CODE	BOAT_NAME
-----	-----	-----
1	A5	Anderson III
1	A4	Gypsy
1	A3	Escape
1	A2	Our Toy
1	A1	Anderson II
3	C3	My Get Away
3	C2	No boat assigned
3	C1	Freedom

12. Yearly revenue:			
a. Calculate total revenue (rental fees) the marina receives each year based on the slip length and marina id			
b. Only include marina's 1 and 2			
c. Include a count of the number of marina slips for each slip length			
d. Format yearly revenue with commas			
e. Sort slip length within marina id. Only include marina's 1 and 2.			
MARINA_ID	SLIP_LENGTH	COUNT	YEARLY_REVENUE
-----	-----	-----	-----
1	30	2	5,000.00
1	40	3	11,399.65
2	25	3	5,600.00
2	30	1	2,500.00
2	40	2	8,400.75