

Assignment # 3: Using the provided database, alexamara.db (unzip the file first) , do the following:

1. List the boat name, owner number, owner last name, and owner first name for each boat in marina 1 sorted by boat name. (25 points)

The query should produce this output:

Boat_Name	Owner_Num	Last_Name	First_Name
Anders II	AN75	Anderson	Bill
Our Toy	EL25	Elend	Sandy and Bill
Escape	KE22	Kelly	Alyssa
Gypsy	JU92	Juarez	Maria
Anders III	AN75	Anderson	Bill
Bravo	AD57	Adney	Bruce and Jean
Chinook	FE82	Feenstra	Daniel
Listy	SM72	Smeltz	Becky and Dave
Mermaid	BL72	Blake	Mary
Axxon II	NO27	Norton	Peter
Karvel	TR72	Trent	Ashton

2. List the slip ID, boat name, owner number, service ID, number of estimated hours, and number of spent hours for each service request on which the category number is 2. (25 points)

The query should produce this output:

Slip_ID	Boat_Name	Owner_Num	Service_ID	Est_Hours	Spent_Hours
1	Anders II	AN75	4	2	0
6	Bravo	AD57	7	2	0
6	Bravo	AD57	8	4	1
8	Listy	SM72	13	5	2

3. Apply the count function to count the number of boats per marina. Change the column heading by using the alias 'Number of Boats'. Hint: group the records by the marina number. (25 points)

The query should produce this output:

Marina_Num	Number of boats
1	5
2	6

4. Come up with your own example to implement GROUP BY and HAVING in your query. (25 points)