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**Sample Project Part 3**

The following relational schema holds information about a marina (sailors, boats, and boat reservations).

Sailors( *sid*: integer, *sname:* string, *rating:* integer, *age:* real )

Boats( *bid:* integer, *bname:* string, *color:* string )  
Reserves( *sid*: integer, *bid:* integer, *day:* date )

The database, table definitions and data for each table are contained in 05\_marina.sql.txt .

Use pgAdmin to create and access your database/tables. Use the query editor tool to input the following queries and analyze their results.

A screenshot of a computer

Description automatically generated with medium confidence

**Screenshot of Database marina with marina schema containing tables for boats, sailors and reserves**

While trying to use the code provided in 05\_marina.sql.txt, use marina, was giving me a syntax error as in the image below.

A screenshot of a computer

Description automatically generated

So I decided to use the following syntax to create the table inside the marina schema on the marina database.

**CREATE TABLE [database\_name.][schema\_name.]table\_name();**

1. Find the names and ratings of all sailors. Then find the same request using DISTINCT (names).

**select sname, rating from sailors**

A screenshot of a computer

Description automatically generated

**select distinct (sname), rating from sailors**

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2. Find the ids (sid) of sailors who made boat reservations for September 8, 1998.

**select sid from reserves where day = '1998-09-08'**

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Description automatically generated with medium confidence

3. Find the color of the boat named ‘Interlake’. Show all the columns from the table(s) used in your

query.

**select \* from boats**

**where bname = 'Interlake'**

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4. Find the ids and names of sailors who have a rating greater than 7.

**select sid, sname**

**from sailors**

**where rating > 7**

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5. Find the ids and names of sailors who have a rating greater than 7 and are younger than 35.

**select sid, sname**

**from sailors**

**where rating > 7 and age < 35**

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Description automatically generated with medium confidence

6. Find the names and ages of the sailors who have reserved the boat named ‘Marine’

**select sname, age**

**from sailors as S, boats as B, reserves as R**

**where S.sid = R.sid and B.bid = R.bid and B.bname = 'Marine'**

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Description automatically generated

7. Find the names and ids of the sailors who have reserved green boats.

**select sname, S.sid**

**from sailors as S, reserves as R, boats as B**

**where S.sid = R.sid and R.bid = B.bid and B.color ='green'**

**A screenshot of a computer

Description automatically generated with medium confidence**

Submit your queries for the above questions.