Database Schema for a Arizona Boat

**SAILORS (SID: INTEGER, SNAME: STRING, RATING: INTEGER, AGE: REAL)**

**BOATS (BID: INTEGER, BNAME: STRING, COLOR: STRING)**

**RESERVES (SID: INTEGER, BID: INTEGER, DAY: DATE)**

And insert the 10 values into the corresponding tables.

1. For the above schema, perform the following—
2. Find the names and ages of all the sailors.
3. Find all sailors with a rating above 7.
4. Find the names of sailors who have reserved boat number 103.
5. Find the sids of sailors who have reserved a red boat.
6. Find the names of sailors who have reserved a red boat.
7. Find the colors of boats reserved by Lubber.
8. Find the names of sailors who have reserved at least one boat.
9. Compute increments for the ratings of persons who have sailed two different boats on the same day.

SELECT S.sname, S.rating+1 AS rating FROM Sailors S, Reserves R1, Reserves R2

WHERE S.sid=R1.sid AND S.sid=R2.sid AND R1.day=R2.day AND R1.bid<>R2.bid;

1. Find the ages of sailors whose name begins and ends with B and has atleast three characters.

Help: Like B\_\_\_%B

1. Find the names of sailors who have reserved a red boat or a green boat.
2. Find the names of sailors who have reserved both a red boat and a green boat.
3. Find the sids of all sailors who have reserved red boats but not green boats.
4. Find all sids of sailors who have a rating of 10 or reserved boat 104.
5. Find the names of sailors who have reserved boat 103.
6. Find the names of sailors who have reserved a red boat.
7. Find the names of sailors who have not reserved a red boat.
8. Find the names of sailors who have reserved boat number 103
9. Find sailors whose rating is better than some sailor called Horatio.
10. Find the sailors with the highest rating.
11. Find the names of sailors who have reserved both a red and green boat.
12. Find the names of sailors who have reserved all boats.
13. Find the average age of all sailors.
14. Find the average age of sailors with a rating of 10.
15. Find the name and age of the oldest sailor.
16. Count the number of sailors.
17. Count the number of different sailor names.
18. Find the names of sailors who are older than the oldest sailor with a rating of 10.
19. Find the age of the youngest sailor for each rating level.
20. Find the age of the youngest sailor who is eligible to vote(i.e., at least 18 years old) for each rating level with at
21. least two such sailors.