

## SQL EXERCISES - 3

**Questions:** Consider the Sailors-Boats-Reserves DB described in below.

*S (sid, sname, rating, age)*

*B (bid, bname, color)*

*R (sid, bid, date)*

Sailors				Boats			Reserves		
Sid	Sname	Rating	Age	bid	bname	color	sid	bid	day
22	Dustin	7	45	101	Interlake	blue	22	101	1998-10-10
29	Brutus	1	33	102	Interlake	red	22	102	1998-10-10
31	Lubber	8	55.5	103	Clipper	green	22	103	1998-10-8
32	Andy	8	25.5	104	Marine	red	22	104	1998-10-7
58	Rusty	10	35				31	102	1998-11-10
64	Horatio	7	35				31	103	1998-11-6
71	Zorba	10	16				31	104	1998-11-12
74	Horatio	9	40				64	101	1998-9-5
85	Art	3	25.5				64	102	1998-9-8
95	Bob	3	63.5				74	103	1998-9-8

Figure 1: Instances of Sailors, Boats and Reserves

Give a **SQL expression** for each of the following queries:

1. Find all Boat ID's which is reserved by Sailors who have rating more than the average rating in reserves table.
2. Find the color's of boats which is reserved by Sailors who have rating more than the average rating in reserves table.
3. Retrieve the color of boat reserved by the Sailor having 2nd highest ranking.
4. How many reservations are done in the month of Nov by Lubber.
5. Sailors will be supervised by someone who has a higher rating and is older. Retrieve all possible pairs of sailor and supervisor.
6. Find the age of all the sailors having the lowest rating who have reserved for at least one boat.
7. Find the rating of the youngest sailor who has reserved the red color boat.