SQL Exercises

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Consider the Sailor-Boats-Reserves DB described below.

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

sid	sname	rating	age
701	Bob	7	19
702	Bob	8	30
703	Kevin	9	32
704	Tim	8	27
705	Albert	6	23

$B(bid, bname, color)$

bid	bname	color
101	Lightning	Silver
102	Bigboat	Iron
103	Bigboat	Blue
104	Hellfire	Red
105	Rage	Red

$R(sid, bid, date)$

sid	bid	Date
705	102	Jan 01
705	104	Jan 05
705	103	Jan 10
701	104	Jan 11
703	104	Jan 20
704	105	Jan 22
702	101	Jan 26
702	102	Jan 27
702	103	Jan 28
702	104	Jan 29
702	105	Jan 30
701	102	Jan 31

Give a SQLfor each of the following operations

1. Find the colors of boats reserved by Albert.

2. Find all sailor id's of sailors who have a rating of at least 8 or resevered boat 103.

3. Find the names of sailors who have not reserved a red boat.

4. Find the names of sailors who have reserved at least two boats.

5. Find the names of sailors who have reserved all boats.

6. Find the names of sialors who have reserved all boats called BigBoat.

7. Find the sailor id's of sailors whose rating is better than some sailor called Bob.

8. Find the sailor id's of sailors whose rating is better than every sailor called Bob.

9. Find the sailor id's of sailors with the highest rating.