

PRACTICAL

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

Boats(bid: integer, bname: string, color: string)

Reserves(sid: integer, bid: integer, day: date)

<i>sid</i>	<i>sname</i>	<i>rating</i>	<i>age</i>
22	Dustin	7	45.0
29	Brutus	1	33.0
31	Lubber	8	55.5
32	Andy	8	25.5
58	Rusty	10	35.0
64	Horatio	7	35.0
71	Zorba	10	16.0
74	Horatio	9	35.0
85	Art	3	25.5
95	Bob	3	63.5

Sailors

<i>sid</i>	<i>bid</i>	<i>day</i>
22	101	10/10/98
22	102	10/10/98
22	103	10/8/98
22	104	10/7/98
31	102	11/10/98
31	103	11/6/98
31	104	11/12/98
64	101	9/5/98
64	102	9/8/98
74	103	9/8/98

Reserves

<i>bid</i>	<i>bname</i>	<i>color</i>
101	Interlake	blue
102	Interlake	red
103	Clipper	green
104	Marine	red

Boats

- Q1. Find all sailors with a rating above 7.
- Q2. Find the names of sailors who have reserved boat number 103.
- Q3. Find the colours of boats reserved by Lubber.
- Q4. Compute increments for the ratings of persons who have sailed two different boats on the same day.
- Q5. Find the ages of sailors whose name begins and ends with B and has at least three characters.
- Q6. Find the names of sailors who have reserved both a red and a green boat.
- Q7. Find the sids of all sailors who have reserved red boats but not green boats.
- Q8. Find all sids of sailors who have a rating of 10 or have reserved boat 104.
- Q9. Find the names of sailors who have reserved boat number 103.
- Q10. Find sailors whose rating is better than some sailor called Horatio.
- Q11. Find the names of sailors who have reserved both a red and a green boat.
- Q12. Find the names of sailors who have reserved all boats.
- Q13. Find the names of sailors who are older than the oldest sailor with a rating of 10.
- Q14. Find the age of the youngest sailor for each rating level.
- Q15. Find the age of the youngest sailor who is eligible to vote (i.e., is at least 18 years old) for each rating level with at least two such sailors.
- Q16. Find the average age of sailors for each rating level that has at least two sailors.
- Q17. Find those ratings for which the average age of sailors is the minimum overall ratings.