DATABASE

CODE FOR TABLES:-

```
CREATE TABLE Sailors (sid varchar2(2), sname varchar2(10), rating number(2), age number(2));
INSERT INTO Sailors VALUES('S1', 'Ash', 5, 50);
INSERT INTO Sailors VALUES('S2', 'Sam', 4, 40);
INSERT INTO Sailors VALUES('S3', 'King', 3, 35);
INSERT INTO Sailors VALUES('S4','Tom',2,55);
INSERT INTO Sailors VALUES('S5', 'Riya', 3, 25);
CREATE TABLE Boats (bid varchar2(2), bname varchar2(10), color varchar2(10));
INSERT INTO Boats VALUES('B1', 'Brahmos 1', 'Red');
INSERT INTO Boats VALUES('B2', 'Agni 3', 'Green');
INSERT INTO Boats VALUES('B3', 'Agni_5', 'Red');
INSERT INTO Boats VALUES('B4', 'Brahmos_2', 'Green');
INSERT INTO Boats VALUES('B5', 'Pralay', 'Purple');
INSERT INTO Boats VALUES('B6','Dharti','Crimson');
INSERT INTO Boats VALUES('B7','Ocean_Queen','Red');
INSERT INTO Boats VALUES('B8','Jal','Red');
CREATE TABLE Reserves (sid varchar2(2),bid varchar2(2),day varchar2(10));
INSERT INTO Reserves VALUES('S1', 'B1', 'Monday');
INSERT INTO Reserves VALUES('S1', 'B2', 'Thursday');
INSERT INTO Reserves VALUES('S2','B3','Friday');
INSERT INTO Reserves VALUES('S2','B4','Friday');
INSERT INTO Reserves VALUES('S3','B5','Wednesday');
INSERT INTO Reserves VALUES('S3','B6','Sunday');
INSERT INTO Reserves VALUES('S4', 'B7', 'Tuesday');
INSERT INTO Reserves VALUES('S5', 'B8', 'Saturday');
SELECT * FROM Sailors;
 SELECT * FROM Boats;
SELECT * FROM Reserves;
```

OUTPUT FOR TABLES :-

Sailors

sid	sname	rating	age
S1	Ash	5	50
S2	Sam	4	40
S3	King	3	35
\$4	Tom	2	55
S 5	Riya	3	25

Boats

bid	bname	color
Bl	Brahmos_1	Red
B2	Agni_3	Green
B3	Agni_5	Red
B4	Brahmos_2	Green
B5	Pralay	Purple
В6	Dharti	Crimson
B7	Ocean_Queen	Red
B8	Jal	Red

Reserves

sid	bid	color
S1	Bl	Monday
S1	B2	Thursday
S2	В3	Friday
S2	B4	Friday
S3	B5	Wednesday
S3	B6	Sunday
\$4	B7	Tuesday
S5	B8	Saturday

QUERIES:-

Q.1] Find sailor ids who have reserved red boats or green boats?

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Query :-

```
Output :-
```

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```
    sid

    $1

    $2

    $4

    $5
```

Q.2] Find sailor names who have reserved red and green boats?

Query :
SELECT s.sname
FROM Sailors s, Bo

Output :-

sname
Ash
Sam

Q.3] Find sailor names who have reserved red boats but not green boats?

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Query :-

```
SELECT s.sname
FROM Sailors s, Boats b,Reserves r
WHERE b.color = 'Green' and
    b.bid = r.bid and
    r.sid = s.sid;
```

Output :-

sname			
Riya			
Tom			