Implement Group By, Having clause and Order by clause with suitable example

Problem Statement:

CREATE TABLE Sailor (

sid INTEGER,

sname VARCHAR(20),

rating INTEGER,

age REAL);

**INSERT INTO sailor VALUES(22, 'Dustin', 7, 45.0);**

CREATE TABLE Boat (

bid INTEGER,

bname VARCHAR(20),

I**INSERT INTO Boat VALUES (104, 'Marine', 'red');**

**CREATE TABLE Reserves (**

**sid INTEGER,**

**bid INTEGER,**

**day DATE**

**);**

**INSERT INTO Reserves VALUES(22, 101, '10/10/98');**

SELECT rating, MIN(age) AS minimum\_age

FROM sailor

GROUP BY rating;

SELECT color, COUNT(\*) AS num\_boat

FROM boat

GROUP BY color;

SELECT rating, MAX(age) AS oldest\_age

FROM sailor

GROUP BY rating;

SELECT bid, COUNT(\*) AS num\_reservations

FROM reserves

GROUP BY bid

ORDER BY bid DESC;

SELECT rating, AVG(age) AS average\_age

FROM sailor

GROUP BY rating

HAVING COUNT(\*) >= 2;

SELECT rating, MIN(age) AS youngest\_eligible\_age

FROM sailor

WHERE age >= 18

GROUP BY rating;

select sname, day from sailors,Reserves

where sailors.sid=Reserves.sid

order by day asc;