create table Sailors(sid Integer,sname CHAR(20),rating Integer,age Real);

insert into Sailors values

(53, "Bob Holloway", 9, 53.6),

(54, "Susan Horowitz", 1, 34.2),

(57, "Yannis Ioannidis", 8, 40.2),

(59, "Deborah Joseph", 10, 39.8),

(61, "Landwebber", 8, 56.7),

(63, "James Larus", 9, 30.3),

(64, "Barton Miller", 5, 43.7),

(67, "David Parter", 1, 99.9),

(69, "Raghu Ramakrishnan", 9, 37.1),

(71, "Guri Sohi", 10, 42.1),

(73, "Prasoon Tiwari", 8, 39.2),

(39, "Anne Condon", 3, 30.3),

(47, "Charles Fischer", 6, 46.3),

(49, "James Goodman", 4, 50.3),

(50, "Mark Hill", 5, 35.2),

(75, "Mary Vernon", 7, 43.1),

(79, "David Wood", 3, 39.2),

(84, "Mark Smucker", 9, 25.3),

(87, "Martin Reames", 10, 24.1),

(10, "Mike Carey", 9, 40.3),

(21, "David Dewitt", 10, 47.2),

(29, "Tom Reps", 7, 39.1),

(31, "Jeff Naughton", 5, 35.0),

(35, "Miron Livny", 7, 37.6),

(37, "Marv Solomon", 10, 48.9);

create table Boats(

bid Integer,

name char(20),

color char(10)

);

insert into Boats values

(1, "Onion", "white"),

(2, "Buckey", "red" ),

(3, "Enterprise", "blue" ),

(4, "Voyager", "green"),

(5, "Wisconsin", "red" );

create table Reserves(

sid Integer,

bid Integer,

date varchar(20)

);

insert into Reserves values

(10, 1, "05/10/95"),

(21, 1, "05/11/95"),

(10, 2, "05/11/95"),

(31, 1, "05/12/95"),

(10, 3, "05/13/95"),

(69, 4, "05/12/95"),

(69, 5, "05/14/95"),

(21, 5, "05/16/95"),

(57, 2, "05/10/95"),

(35, 3, "05/15/95");

SELECT S.sname, R.date

FROM Sailors S, Reserves R

WHERE S.sid = R.sid AND R.bid = 1

SELECT S.sname

FROM Sailors S, Boats B, Reserves R

WHERE S.sid = R.sid AND R.bid = B.bid AND B.color = 'red'

ORDER BY S.sname

SELECT S.sname

FROM Sailors S, Reserves R

WHERE S.sid = R.sid

SELECT DISTINCT S.sname

FROM Sailors S, Reserves R

WHERE S.sid = R.sid

SELECT S.sname, S.rating, S.age

FROM Sailors S, Reserves R

WHERE S.sid = R.sid and (S.age > 40 || S.rating < 7)

SELECT S.sname

FROM Sailors S, Boats B, Reserves R

WHERE S.sid = R.sid AND S.rating > 7 AND R.bid = B.bid

AND B.color = 'red'

ORDER BY S.name

select s1.sname

from

Sailors s1, Sailors s2

where

s1.rating > s2.rating and s2.age=34.2

order by s1.sid;