SAILORS

create table Sailors

       (sid integer not null,

        sname varchar(15),

       rating integer,

       age real,

       primary key(sid));

BOATS

create table boats

       (bid integer not null,

       bname varchar(20),

       color varchar(20),

       primary key(bid),

       constraint b_color check (color in ('red', 'green', 'blue', 'yellow')));

RESERVES

create table Reserves

       (sid integer not null,

       bid integer not null,

       day1 date not null,

       primary key (sid, bid, day1),

       constraint r_sid foreign key(sid) references Sailors,

       constraint r_bid foreign key(bid) references boats);

2.

begin

insert into Sailors (sid, sname, rating, age) values (22, 'Dustin', 7, 45.0);

insert into Sailors (sid, sname, rating, age) values (29, 'Brutus', 1, 33.0);

insert into Sailors (sid, sname, rating, age) values (31, 'Lubber', 8, 55.5);

insert into Sailors (sid, sname, rating, age) values (32, 'Andy', 8, 25.5);

insert into Sailors (sid, sname, rating, age) values (58, 'Rusty', 10, 35.0);

insert into Sailors (sid, sname, rating, age) values (64, 'Horatio', 7, 35.0);

insert into Sailors (sid, sname, rating, age) values (71, 'Zorba', 10, 16.0);

insert into Sailors (sid, sname, rating, age) values (74, 'Horatio', 9, 40.0);

insert into Sailors (sid, sname, rating, age) values (85, 'Art', 3, 25.5);
insert into Sailors (sid, sname, rating, age) values (95, 'Bob', 3, 63.5);

insert into boats (bid, bname, color) values (101, 'Interlake', 'blue');
insert into boats (bid, bname, color) values (102, 'Interlake', 'red');
insert into boats (bid, bname, color) values (103, 'Clipper', 'green');
insert into boats (bid, bname, color) values (104, 'Marine', 'red');

insert into reserves (sid, bid, day1) values (22, 101, date '2003-3-5');
insert into reserves (sid, bid, day1) values (31, 102, date '2003-3-5');
insert into reserves (sid, bid, day1) values (22, 103, date '2004-8-10');
insert into reserves (sid, bid, day1) values (22, 104, date '2005-7-12');
insert into reserves (sid, bid, day1) values (22, 102, date '2006-1-11');
insert into reserves (sid, bid, day1) values (31, 103, date '2007-6-13');
insert into reserves (sid, bid, day1) values (31, 104, date '2006-12-11');
insert into reserves (sid, bid, day1) values (64, 101, date '2008-5-9');
insert into reserves (sid, bid, day1) values (64, 102, date '2008-8-17');
insert into reserves (sid, bid, day1) values (74, 103, date '2001-8-29');
end;