Set Operations

Create table Sailors with following attributes Sid, Sname, Rating, Age

```
create table sailors(SID int primary key, sname varchar(50), rating float, age int);
   create table sallors(SID int primary key, sname insert into sailors values(21, "harri",9,55); insert into sailors values(22, "bibin",8,45); insert into sailors values(23, "manu",8.5,50); insert into sailors values(24, "appu",9.5,35); insert into sailors values(25, "jibu",5.5,48); select * from sailors;
                                            MySQL books
  → Run (Ctrl-Enter)
Output Input Comments 0
  SID
                                 rating age
                 sname
  21
                 harri
                                 9
                                                 55
  22
                 bibin
                                8
                                                 45
  23
                                 8.5
                                                 50
                 manu
  24
                 appu
                                 9.5
                                                 35
  25
                 jibu
                                 5.5
                                                 48
```

Create table Boat with attributes Bid, Name and Color

```
create table sailors(SID int primary key, sname varchar(50), rating float, age int);
            insert into sailors values(21, "harri",9,55); insert into sailors values(22, "bibin",8,45); insert into sailors values(23, "manu",8.5,50); insert into sailors values(24, "appu",9.5,35); insert into sailors values(25, "jibu",5.5,48);
           create table boats(BID int primary key,bname varchar(50),bcolor varchar(20));
insert into boats values(98,"island","blue");
insert into boats values(99,"marine","green");
insert into boats values(100,"speed","red");
insert into boats values(101,"wind","white");
     10
     11
    12
     13
            select * from boats;
    14
    15
     16
  → Run (Ctrl-Enter)
                                           MySQL books
Output Input Comments 0
 BID
                  bname
                                   bcolor
 98
                  island blue
 99
                  marine green
 100
                  speed
                                   red
 101
                  wind
                                  white
```

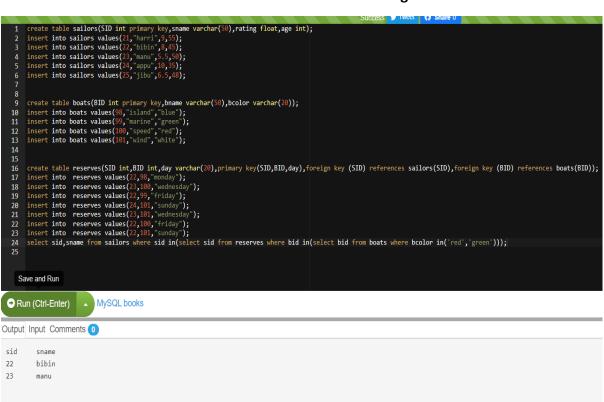
Create table Reserves with the attributes Sid, Bid, Date

```
create table sailors(SID int primary key, sname varchar(50), rating float, age int);
insert into sailors values(21, "harri", 9,50);
insert into sailors values(22, "bibin", 8,60);
insert into sailors values(22, "poblin", 8,60);
insert into sailors values(24, "poblin", 8,50);
insert into sailors values(25, "poblin", 8,50);
insert into boats values(26, "poblin", "bible");
insert into boats values(27, "poblin", "bible");
insert into boats values(27, "poblin", "bible");
insert into boats values(27, "poblin", "bible");
insert into reserves values(22, "poblin", "bible")
```

1.find the names of sailors who have reserved a red or a green boat

```
create table sailors (SiD int primary key, sname varchar(50), rating float, age int);
insert into sailors values(21, heart 1, 55);
insert into sailors values(21, heart 1, 55);
insert into sailors values(22, heart 1, 55);
insert into sailors values(23, heart 1, 55);
insert into sailors values(23, heart 1, 55);
insert into sailors values(24, heart 1, 55);
insert into sailors values(25, heart 1, 55);
insert into boats values(26, heart 1, 55);
insert into boats values(28, heart 1, 50);
insert into boats values(38, heart 1, 50);
insert into boats values(30, heart 1, 50);
insert into boats values(30, heart 1, 50);
insert into boats values(30, heart 1, 50);
insert into reserve values(21, 88, heart 21, 180, heart 21, 180, heart 31, he
```

2.find the names of sailors who have reserved both red or a green boat



3.find the sid of sailors who have reserved a red boat but not a green boat

```
create table sailors(SID int primary key,sname varchar(50),rating float,age int);

insert into sailors values(21, "harri", 9,55);

insert into sailors values(22, "main", 5,5,50);

insert into sailors values(24, "main", 5,5,50);

insert into sailors values(24, "appu", 10,55);

insert into sailors values(28, "island", "mine");

g create table boats(BID int primary key, bname varchar(50), bcolor varchar(20));

insert into boats values(28, "main", "green");

insert into boats values(38, "siland", "mine");

insert into boats values(38, "main", "green");

insert into boats values(38, "main", "green");

insert into boats values(38, "main", "green");

insert into boats values(38, "monday");

insert into reserves values(22,38, "m
```

4.find all sid of sailors who have a rating of 10 or have reserved boat 104

```
create table sailors (SID int primary key, sname varchar(50), rating float, age int);

insert into sailors values (21, *hard; *p.55);

insert into sailors values (22, *namu*, 5.5,50);

insert into sailors values (22, *namu*, 5.5,50);

insert into sailors values (22, *namu*, 5.5,50);

insert into sailors values (23, *namu*, 5.5,50);

insert into sailors values (28, *namu*, 5.5,50);

insert into boats values (28, *namu*, 5.5,50);

insert into boats values (28, *namu*, *namu*
```