

Create a table sailors with following attribute sid , sname , rating, age.

The screenshot shows the Paiza Online MySQL editor interface. The code editor contains the following SQL commands:

```
1 create table sailors(sid int ,sname varchar(20),rating float,age int);
2 desc sailors;
3
4
```

The 'Run' button has been clicked, and the output shows the table structure for 'sailors':

Field	Type	Null	Key	Default	Extra
sid	int	YES		NULL	
sname	varchar(20)	YES		NULL	
rating	float	YES		NULL	
age	int	YES		NULL	

The execution time is (1.52 sec).

Create another table reserles with the attribute sid, bid, day

The screenshot shows the Paiza Online MySQL editor interface. The code editor contains the following SQL commands:

```
1 create table sailors(sid int ,sname varchar(20),rating float,age int);
2 create table reserles(sid int,bid int,day int);
3 desc reserles;
4
5
```

The 'Run' button has been clicked, and the output shows the table structure for 'reserles':

Field	Type	Null	Key	Default	Extra
sid	int	YES		NULL	
bid	int	YES		NULL	
day	int	YES		NULL	

The execution time is (1.47 sec).

Create a table boat with attributes bid , bname, and bcolor

paiza.io MySQL Online

Enter a title here

Main.sql

```
1 create table sailors(sid int ,sname varchar(20),rating float,age int);
2 create table reserles(sid int,bid int,day int);
3 create table boat(bid int,bname varchar(20),bcolor varchar(20));
4 desc boat;
5
6
```

Save and Run

Run (Ctrl-Enter) MySQL books

Output Input Comments 0 (0.98 sec)

Field	Type	Null	Key	Default	Extra
bid	int	YES		NULL	
bname	varchar(20)	YES		NULL	
bcolor	varchar(20)	YES		NULL	

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Find the names of sailors who have reserved a red or a green boat

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Main.sql

```
4 insert into sailors values(29,'Arjun',4,30);
5 insert into sailors values(22,'Hardely',3,5,20);
6 insert into sailors values(34,'Rohan',4,5,30);
7 insert into sailors values(41,'Rohan',5,20);
8 insert into sailors values(23,'Mickle',4,41);
9 insert into reserles values(22,102,'1998-10-10');
10 insert into reserles values(29,103,'1998-11-09');
11 insert into reserles values(41,104,'1998-9-8');
12 insert into reserles values(23,105,'1998-12-10');
13 insert into reserles values(34,106,'1998-10-4');
1 Save and Run 2 boat values(105,'Interlake','red');
1
```

Run (Ctrl-Enter) MySQL books

Output Input Comments 0 (1.50 sec)

sname
Arjun
Hardely
Mickle

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Find the names of sailors who have reserved both a red or green boat

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MySQL

```
13 insert into reserles values(34,106,'1998-10-4');
14 insert into boat values(105,'Interlake','red');
15 insert into boat values(102,'Interlake','red');
16 insert into boat values(103,'Clipper','green');
17 insert into boat values(104,'Titanic','blue');
18 SELECT S.sname
19 FROM sailors S, boat B1,reserles R1,
20 boat B2, reserles R2
21 WHERE S.sid=R1.sid AND R1.bid=B1.bid
22 AND S.sid=R2.sid AND R2.bid=B2.bid
23 AND B1.bcolor='red' AND B2.bcolor='green'
24
```

Run (Ctrl-Enter) MySQL books

Output Input Comments 0 (1.47 sec)

sname  
Hardely

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Find the sid of sailors who have a rating of 10 or have reserved boat 104

paiza.io MySQL Online

MySQL

```
7 insert into sailors values(41,'Rohan',10,25);
8 insert into sailors values(23,'Wickle',4,41);
9 insert into reserles values(22,102,'1998-10-10');
10 insert into reserles values(22,103,'1998-11-09');
11 insert into reserles values(41,104,'1998-9-3');
12 insert into reserles values(23,105,'1998-12-10');
13 insert into reserles values(34,106,'1998-10-4');
14 insert into boat values(105,'Interlake','red');
15 insert into boat values(102,'Interlake','red');
16 insert into boat values(103,'Clipper','green');
17 insert into boat values(104,'Titanic','blue');
18 SELECT S.sid FROM sailors S WHERE S.rating = 10
19 UNION
20 SELECT R.sid FROM reserles R WHERE R.bid = 104;

```

Run (Ctrl-Enter) MySQL books

Output Input Comments 0 (1.55 sec)

sid  
41

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