

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

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

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

The code has been executed successfully, as indicated by the green status bar. The output shows the table structure:

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

The interface includes a navigation bar with 'MySQL', 'New code', 'Recent code', and 'WebDev' tabs. There are also links for 'Sign Up' and 'Sign In'. The bottom of the page features a banner for 'PaizaCloud' and a 'Leave a message' button.

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

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

```
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 code has been executed successfully, as indicated by the green status bar. The output shows the table structure:

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

The interface includes a navigation bar with 'MySQL', 'New code', 'Recent code', and 'WebDev' tabs. There are also links for 'Sign Up' and 'Sign In'. The bottom of the page features a banner for 'PaizaCloud' and a 'Leave a message' button.

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

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 create table boat(bid int,bname varchar(20),bcolor varchar(20));
4 desc boat;
```

The output window displays the result of the `DESC` command for the `boat` table:

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

At the bottom, there is a PaizaCloud logo and a link to the Paiza Learning School Free Pass.

Find the names of sailors who have not reserved a red boat.

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

```
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
20 WHERE S.sid NOT IN ( SELECT R.sid
21 FROM reserles R
22 WHERE R.bid IN ( SELECT B.bid
23 FROM boat B
24 WHERE B.bcolor='red' ))
25
26
```

The output window displays the result of the query:

sname
Anjun
Jhon
Rohan

At the bottom, there is a PaizaCloud logo.

Find the sailors whose rating is better than some sailor called Horatio.

paiza.io MySQL Online

```
9 insert into reserles values(22,102,'1998-10-18');
10 insert into reserles values(22,103,'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');
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 S1.sname
19 FROM sailors S1
20 WHERE S1.rating > ANY ( SELECT S2.rating
21 FROM sailors S2 )
22 WHERE S1.sname='Rohan';
```

Run (Ctrl-Enter) MySQL books

Output: Input Comments (1.51 sec)

sname
Jhon
Rohan

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Find the sailor with highest rating

paiza.io MySQL Online

```
10 insert into reserles values(22,103,'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');
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 S1.sname
19 FROM sailors S1
20 WHERE S1.rating >= ALL ( SELECT S2.rating
21 FROM sailors S2 )
22 WHERE S1.sname='Rohan';
```

Run (Ctrl-Enter) MySQL books

Output: Input Comments (1.52 sec)

sname
Rohan

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Find the names of sailors who have reserved all boats

paiza.io MySQL Online

```
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
20 where not exists ( select B.bid
21 from boat B
22 where not exists
23 ( select R.bid
24 from reserles R
25 where R.bid=B.bid
26 and R.sid=S.sid ))
```

Output: Input Comments 0 (1.49 sec)

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Find the name and age of the oldest sailor

paiza.io MySQL Online

```
8 insert into sailors values(23,'Horatio',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,'1998-9-8');
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.sname,S.age from sailors S where S.age=(select max(S2.age)from sailors S2);
```

Output: Input Comments 0 (1.50 sec)

sname	age
Horatio	41

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Find name of sailors who are older than the oldest sailor with rating of 10

paiza.io MySQL Online

```
8 insert into sailors values(23,'Horatio',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,'1998-9-8');
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.sname from sailors S where S.age>(select max(S2.age)from sailors S2 where S2.rating=10);
```

Output: Input Comments 0 (1.50 sec)

sname
Anjun
Jhon
Horatio

PaizaCloud