

Carnegie Mellon University in Qatar
15415 - Spring 2018

Recitation 3

Writing Relational Algebra Expressions

Consider the following relation schemas:

```
Sailors (sid: integer, sname: string, rating: integer, age: integer)
```

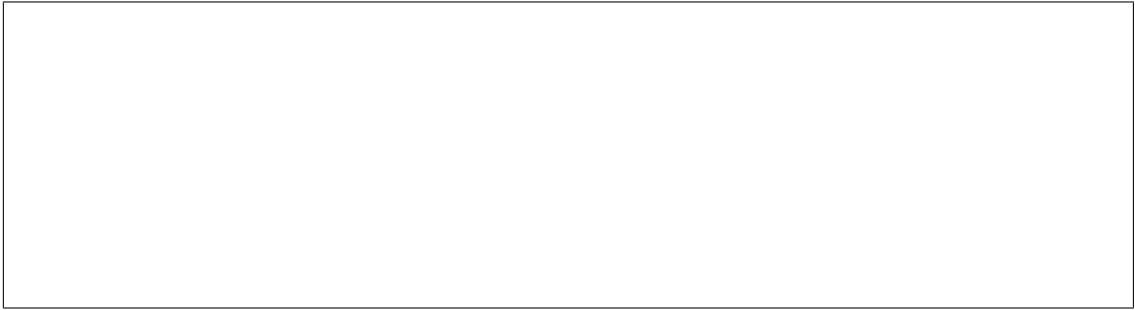
```
Boats (bid: integer, bname: string, color: string)
```

```
Reserves (sid: integer, bid: integer, day: date)
```

Answer the following questions:

1. Find the sailors who have reserved a red boat.

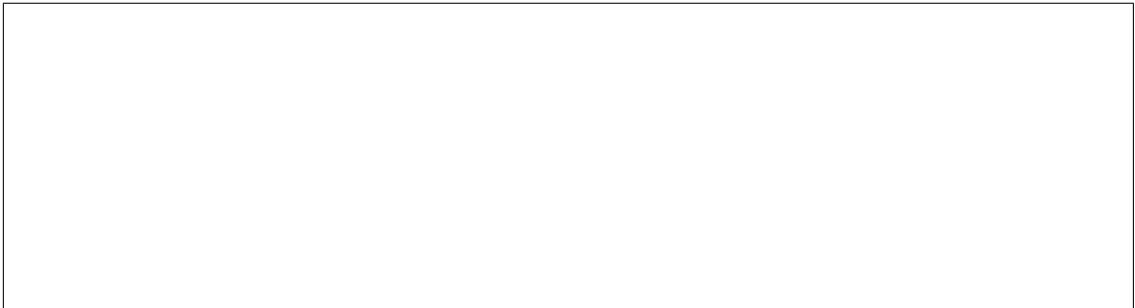
2. Find the *names* of sailors who have reserved at least three boats.



3. Find the *names* and *ratings* of all the sailors over 35 who have reserved a green boat.



4. Find the *names* of sailors who have reserved all boats.



5. Find the *sids* of sailors with the highest rating.

