

Carnegie Mellon University in Qatar  
15415 - Spring 2020

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.