## **COMP 3311: Database Management Systems**

## **Lecture 6 Exercises Relational Algebra**

Sailor(<u>sailorId</u>, sName, rating, age) Boat(boatId, bName, color) Reserves(sailorld, boatld, rDate) **Exercise 1:** Find the <u>ids</u> of sailors who have reserved boat 103. **Exercise 2:** Find the <u>names</u> of sailors who have reserved boat 103. **Exercise 3:** Find the names of sailors who have reserved a red boat.

Name: (1)	Last/Family (PRINT)	Given/First (PRINT)	_ Student#: (1)	· · · · · · · · · · · · · · · · · · ·	Date:
Name: (2)	Last/Family (PRINT)	Given/First (PRINT)	_ Student#: (2)		
	NOTE: You ar	e highly encoura	ged to do this exercise with a p	oartner.	
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Sailor( <u>sailorId</u> , s	Name, rating, age)	Reserves(	sailorld, boatld, rDate)	Boat( <u>boa</u>	atld, bName, color
Exercise 4:	Find the names of sa	ailors who hav	ve reserved <u>either</u> a red	<u>or</u> a green boa	at.
Exercise 5:	Find the names of sa	ailors who hav	ve reserved <u>both</u> a red <u>a</u>	<u>nd</u> a green bo	at.
Exercise 6:	Find the ids of sailors [Hint: You need to jo		nade at least two reserva th itself.]	ations on the s	ame date.