DSAA 5012: Advanced Database Management Systems for Data Science

Lecture 6 Exercises
SQL Queries

Sailor(sailorId, sName, rating, age)   Reserves(*sailorId, boatId,* rDate)   Boat(boatId, bName, color)

Exercise 1: Find the <u>names</u> of sailors who have reserved boat 103.

Exercise 2: Find the ids and names of sailors who have reserved <u>either</u> a red <u>or</u> a green boat.

Exercise 3: Find the names of sailors who have reserved <u>both</u> a red <u>and</u> a green boat (u*se intersect).*

Find the names of sailors who have reserved <u>both</u> a red <u>and</u> a green boat (*use join).*

Name: (1) _____/_____ **Student#:** (1) _____ **Date:** _____
          Last/Family (PRINT)   Given/First (PRINT)

Name: (2) _____/_____ **Student#:** (2) _____
          Last/Family (PRINT)   Given/First (PRINT)

> **NOTE: You are highly encouraged to do this exercise with a partner.**

DSAA 5012: Advanced Database Management Systems for Data Science

Lecture 6 Exercises
SQL Queries

> **NOTE**: Use only SQL constructs presented in this lecture to answer these queries.

Sailor(sailorId, sName, rating, age)   Reserves(*sailorId, boatId*, rDate)   Boat(boatId, bName, color)

Exercise 4: Find the ids and names of boats that have never been reserved.

Exercise 5: Find the ids and names of sailors who have not reserved boat 103.

Exercise 6: Find the names and ids of those sailors who have the same name.

> Upload this completed exercise worksheet to Canvas by **11 p.m. Feb 19th.**