

TP2

Consider the database SAILOR in TP1. (You have to finish TP1 before starting TP2)

Sailors (sid:int, sname:string, rating:int, age: real);

Boats (bid:int, bname: string, color:string)

Reserves (#sid:int, #bid:int, day:date)

1. Insert the following row into the indicated table. Then observe the response of DBMS.
 - a. (22, "Dara", 8, 25) into sailors
 - b. (null, "Dara", 8, 25) into sailors
 - c. ("Dara", 22, 8, 25) into sailors
 - d. ("Sok", 22, 7, 35) into sailors
 - e. (74, 105, "1998-08-09") into reserves
 - f. (74, 104, 19980809) into reserves
2. Write SQL query for each following questions
 - a. List the name of sailors who are rated higher than 7.
 - b. List the name and rate of sailors who have rate higher than 7 and are younger than 50.
 - c. List information of the sailor named "Horatio".
 - d. List information of sailors whose name starts with "A".
 - e. List information of sailors whose name start with "A" and end with "Y".
 - f. List information of all red boat.
 - g. List information about boats reservation in October 1998.
 - h. Find the names of sailors who have reserved boat 103.
 - i. Find the names of sailors who have reserved a red boat.
 - j. Find the names of sailors who have reserved at least one boat.
 - k. Find the names of sailors who have reserved a red or a green boat.
 - l. Find the names of sailors who have reserved a red and a green boat.
 - m. Find pairs of boats that have the same name.