



Lab Session 5

Objective of the Lab:

The goal of this practical session is to master SQL commands for creating and manipulating databases, as well as aggregation functions and set operators.

Project

Consider the following relational schema:

SAILOR (*idSailor*, *nameSailor*, *qualification*, *age*)

BOAT (*idBoat*, *nameBoat*, *color*)

RESERVATION (*#idSailor*, *#idBoat*, *date*)

Queries to Formulate

1. The **colors** of the boats reserved by *Ali*.
2. The **identifiers** of sailors who have a qualification **> 8** or who have reserved **boat 3**.
3. The **names** of sailors who **did not reserve** any **red boat**.
4. The names of sailors who have reserved **three boats**.
5. The names of **adult sailors** who did **not** reserve a **red boat**.
6. The sailors who are **more qualified than Ali**.
7. The sailors who are the **most qualified**.

Tasks to Complete:

Students are required to:

- Write the SQL statement to **create the database** MARINA.
- Write the SQL statements to **create the tables**: SAILOR, BOAT, RESERVATION.
- Write the **seven SQL queries** listed above.
- Submit a sheet containing **all SQL queries** at the end of the session.