# Assignment 14-03-2022

## Consider the following employee database:

SAILORS(s_id , s_name , rating , age)
BOATS(b_id , b_name , color)
RESERVES(s_id , b_id , day)

- **s_id** ,**b_id** are primary keys of the tables SAILORS and BOATS.
- **s_id** ,**b_id** together of the table RESERVES form the composite primary key.
- **s_id** ,**b_id** are also the foreign keys references SAILORS and BOATS respectively.

### Write necessary SQL queries for the following:

1. Create the above tables and insert sufficient records.
2. Write SQL commands to perform the following:

a) Find the color of boats reserved by '**Tarun**'.
b) Find the sailor_id's and sailor_names who have reserved boats on '**Monday**'.
c) List boat_id's and boat names for '**red**' and '**green**' colors only.
d) Delete all the sailors information whose age is greater than 60.

## Consider the following relations:

Teacher (Tid, Name , Dept)
Subject (Subno, Subtitle)
TaughtBy (Tid,Subno)
Student (Rollno,Sname , City)

### Create the Tables and insert sufficient number of records. Write SQL queries with corresponding Outputs for the following.

1. Get the names of all the teachers of 'Physics' department who teach 'Thermodynamics'.
2. Rename the subject 'DBMS' to 'RDBMS'.
3. Find out all the students who stay in 'Kolkata' and whose roll number is between 20 and 25.
4. Display all the students' information in descending order of their roll number who stay in 'Kolkata'.