# DBMS LAB. ASSIGNMENT No. - 3

A. Consider the following relations:

**SAILORS(s_id, s_name, rating, age)**

**BOATS (b_id, b_name, color)**

**RESERVES (s_id, b_id, day)**

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

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.

B.Consider the following relations:

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

Create the database and insert sufficient number of records to the tables by SQL commands. Write SQL commands to perform 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'.