

GROUP1: A DATABASE COLLEGE

A college has academic departments, such as the Department of English, Department of Mathematics, Department of History, and so on. And each department offers a variety of courses. Now, an instructor can teach more than one course. Let's say a professor takes a class on Statistics and also on Calculus. As a student in the Mathematics department, you can enroll in both of these courses. Therefore, every college course can have any number of students. Here, an important point to note is that a particular course can have only one instructor to avoid overlaps.

- 1- Design an Entity-Relationship (E-R) diagram, and then attempt normalizing it. You can use MySQL workbench or other software.
- 2- Create a relational database schema
- 3- Implement That database with MySQL
- 4- Populate you database to execute some SQL request test.

GROUP 2: BLOOD DONATION DATABASE

This database would store interrelated data on patients, blood donors, and blood banks. You can take a cue from the data points given below.

- Patient's Name, Unique ID, Blood group, and Disease
 - Donor's Name, Unique ID, Blood Group, Medical Report, Address, Contact Number
 - Blood bank's Name, Address, Blood banks' donor details (name, address, contact number)
1. Design an Entity-Relationship (E-R) diagram, and then attempt normalizing it. You can use MySQL workbench or other software.
 2. create a relational database schema
 3. Implement that database with MySQL
 4. Populate you database to execute some SQL request test.

Notice:

- Question 1 & 2 should be export in PDF format.
- Zip your work in 1 folder
- Name it by your Name and Registration Number; Plus the group number.
- Send your work latest 29th / 1 / 2023 at 11:59 am at this email address : tsangmina4@gmail.com