

1. Create a database named **dblab**. Use this newly created database. Create the following tables under the dblab database.

Student(Rollno varchar (10), SName varchar (10), City varchar (10))

Course (CID varchar(10), CName varchar(10), Credit int(100))

Perform the following operations on the above tables.

- i. Insert at least 10 entries in the above two tables where entries cannot be null.
- ii. Display all the entries of the tables.
- iii. Add department and marks column to Student table.
- iv. Update the marks=70 having department = Mechanical.
- v. Modify the datatype of credit to string.
- vi. Add course-admission-date to table Course.

- 2.Create a database named IIITDM, having three tables: Student List, Faculty List, and Building List.

Student(student-id, first name, last name, parent_ name, Age),

Faculty(Faculty-id, Name, Age, department, Date-of_joining),

Building(Building_name, building_id, Capacity_of_student, no_of_floors, Date_of_inauguration).

Display the database after performing all the following operations as well as show database tables at every step. If any column is missing during the query add the column and perform the query.

01. Each list has at least ten rows i.e entries. Every list has Five fields, out of which one field is the primary field.
02. After six month 10 new faculty, 5 new students joined and 3 new buildings were built in IIITDM.
- 03.The two students joined in CSE and three student Mechanical departments for Dual degree. The six faculty joined in Computer science and four in Mechanical department, But the entry for mechanical department faculty is done in Electrical department. Display the table before and after correction.
04. After three month 5 new faculty came in the Electrical department and 3 students left the IIITDM out of which two students are from Math and rest is from Physics Department.Furthermore one building is demolished.

IV. After some time 10 student come as a lateral entry having mark more than 99 percent.

Drop the **Date_of_inauguration** column from **Building** and add **staff_id**

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