

# School of Computer Science Engineering and Technology

Course- BTech

Type- Core

Course Code- CSET201

Course Name- Information Management System

Year- 2022

Semester- Odd

Date- 18/08/2022

Batch- 2021-2025

## LAB 2

### Objectives

1. Students will be able to learn SQL.
2. Student will be able to learn DDL commands and data types.
3. Student will be able to learn DML commands.

### Courses

Course_code	Course_title	Credits	Semester	Instructor_id
CS301	DBMS	4	3	101
CS302	OS	3	3	102
CS101	Physics	3	1	103
CS303	java	3	3	104
CS505	Discrete Math	4	5	105
CS701	Cloud Computing	3	7	106
EC303	DLD	2	5	107
MBA501	Economics	3	5	108

#### Datatypes Used:

Course\_code **varchar()**;  
Course\_title **varchar()**;  
Credits **int**;  
Semester **int**;  
Instructor\_id **int**;

### Instructors

Instructor_id	Instructor_name	Department
101	Ashish	CSE
102	Shivam	CSE
103	Ravi	ME
104	Sujit	CSE
105	Alka	CSE
106	Suman	CSE
107	Mukund	EC
108	Rohit	MBA

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## Datatypes Used :

Instructor\_id **int**;  
Instructor\_name **varchar()**;  
Department **varchar()**;

## Students

Registration_id	S_Name	Semester	Course_code	Age	Instructor_id
SCS012	Arjun	3	CS301	17	101
SCS013	Anamika	3	CS301	19	101
SCS012	Divya	3	CS302	20	102
SCS014	Diya	1	CS101	19	103
SCS015	Abhishek	3	CS303	17	104
SCS090	Shiva	3	CS303	16	104
SCS071	Rahul	5	CS505	21	105
SCS043	Rupam	3	EC303	22	107
SCS017	Hina	3	EC303	23	107
SCS022	Alam	5	MBA501	21	108
SCS056	Satya	7	CS701	23	106

## Datatype Used:

Registration\_id **Varchar()**;  
S\_name **Varchar()**;  
Semester **int**;  
Course\_code **Varchar()**;  
Age **int**;  
Instructor\_id **int**;

## Questions:

1. Create a database named as Bennett University.
2. Create three tables named as courses, instructors, students.
3. Display all columns of the table courses.
4. Display all students who are in semester 3.
5. Find all records in the instructor table with null values in name column.
6. Find students in the 3<sup>rd</sup> semester and age above 18.
7. Find all the instructor whose department is either CSE or MBA.
8. Add a column name as blood group in student table.

# **School of Computer Science Engineering and Technology**

9. Delete the recently added column in the student table.
10. Change datatype of any coloum.
11. Change the column name of any table.
12. Delete the students whose age is >30.
13. Change the age of shiva to 17.