

## Class work on Lab 02

**NOTE:** write all the commands (each command in a new line) for the following tasks sequentially in a text file and save the file as [name].sql.

1. Create the following tables:

```
students (roll, name, department);
```

a. **Make roll primary key**

b. **Name and department cannot be NULL.**

```
courses (c_id, c_name, year, term, credit);
```

a. **Make c\_id primary key**

b. **c\_name must be unique.**

c. **Set constraints as year between 1 to 4 and term between 1 to 2**

d. **Set default credit as 3.00**

```
course_taken (roll, c_id, session)
```

a. **Set roll as foreign key for roll in students table (use on delete cascade)**

2. Now describe the above created tables.
3. Set the c\_id as foreign key for c\_id in courses table. (use on delete cascade)
4. Now insert 3 demo records in all the tables maintaining relationship.
5. Now show all the tables with data.
6. Now delete a record from the students table.
7. Now show the course\_taken table with data and give your opinion.