

Class work on Lab 05

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: (you can use the script of lab 04 class work)

```
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. Insert 6 more demo records in all the tables maintaining relationship.
3. Show the name and department of students who took courses for a particular session. (use subquery)
4. Find the name of the students who took Database course for the session 2013-14(use subquery)
5. Find the roll and name of the students who belongs to CSE department or took Math course. (use SET operator and subquery).
6. Find the roll and name of the students who belongs to CSE department and took Math course. (use SET operator and subquery).