

Class work on Lab 04

(A Group)

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 03 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 3 more demo records in all the tables maintaining relationship.
3. Show the name and department of students belongs to CSE department.
4. Find the rolls for the students who took courses for the session 12-13, 13-14 and 14-15 (use IN clause)
5. Show the total number of students for each department.
6. Show the total credit offered for each year.