

Class work on Lab 03

(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:

```
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.