

Class work on Lab 06 and 07

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 05 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 demo records in all the tables maintaining relationship.
3. Show the name, department and session of students who took courses. (use join USING roll)
4. Show the roll, department and session of students who took courses. (use NATURAL join)
5. JOIN the above three tables on roll and c_id and display roll, department, c_name, session.
6. Write an anonymous block to display the total number of courses for the session 2013-14.
7. Write an anonymous block to display the year for a course in written form. (Ex. Fourth Year for 4)