**CASE STUDY**

## **INPUT:**

CREATE DATABASE university;

USE university;

CREATE TABLE CAMPUS(

campus\_name VARCHAR(20) PRIMARY KEY,

campus\_add VARCHAR(50),

distance int,

bus\_no VARCHAR(50)

);

CREATE TABLE CLUB(

club\_name VARCHAR(50) PRIMARY KEY,

campus\_name VARCHAR(50) NOT NULL,

club\_bui VARCHAR(20),

club\_pno int,

FOREIGN KEY(campus\_name) REFERENCES CAMPUS(campus\_name)

);

CREATE TABLE SPORT(

sport\_name VARCHAR(50) PRIMARY KEY,

club\_name VARCHAR(50),

FOREIGN KEY(club\_name) REFERENCES CLUB(club\_name)

);

CREATE TABLE FACULTY(

fac\_name VARCHAR(50) PRIMARY KEY,

dean\_name VARCHAR(100),

fac\_build VARCHAR(20)

);

CREATE TABLE SCHOOL(

scl\_name VARCHAR(50) PRIMARY KEY,

fac\_name VARCHAR(20),

campus\_name VARCHAR(50),

scl\_build VARCHAR(50),

FOREIGN KEY (fac\_name) REFERENCES FACULTY(fac\_name),

FOREIGN KEY (campus\_name) REFERENCES CAMPUS(campus\_name)

);

CREATE TABLE COMMITTEE(

com\_title VARCHAR(50) PRIMARY KEY,

fac\_name VARCHAR(20) ,

meeting\_frequency VARCHAR(50),

FOREIGN KEY (fac\_name) REFERENCES FACULTY(fac\_name)

);

CREATE TABLE LECTURER(

staff\_id INT PRIMARY KEY,

scl\_name VARCHAR(50),

sup\_id INT ,

lec\_name VARCHAR(20),

lec\_title VARCHAR(20),

off\_room VARCHAR(20),

FOREIGN KEY (scl\_name) REFERENCES SCHOOL(scl\_name)

);

USE UNIVERSITY;

CREATE TABLE COMMITTEE\_LECTURER(

staff\_id INT,

com\_title VARCHAR(50),

fac\_name VARCHAR(50),

FOREIGN KEY (staff\_id) references LECTURER (staff\_id),

FOREIGN KEY (com\_title) references COMMITTEE (com\_title),

FOREIGN KEY (fac\_name) references FACULTY (fac\_name)

);

CREATE TABLE PROGRAMME (

pro\_code CHAR(10) PRIMARY KEY,

scl\_name VARCHAR(50),

pro\_title VARCHAR(50),

pro\_level VARCHAR(50),

pro\_length VARCHAR(50),

FOREIGN KEY (pro\_code) REFERENCES SCHOOL(scl\_name)

);

CREATE TABLE STUDENT(

stu\_id INT PRIMARY KEY,

pro\_code CHAR(10),

stu\_name VARCHAR(50),

stu\_birthday date,

year\_enrolled INT,

FOREIGN KEY (pro\_code) REFERENCES PROGRAMME (pro\_code)

);

CREATE TABLE COURSE(

cou\_code CHAR(10) PRIMARY KEY,

pro\_code CHAR(10),

cou\_title VARCHAR(20),

FOREIGN KEY (pro\_code) REFERENCES PROGRAMME (pro\_code)

);

CREATE TABLE LECTURER\_COURSE(

staff\_id INT,

cou\_code CHAR(10),

FOREIGN KEY(staff\_id) REFERENCES LECTURER(staff\_id),

FOREIGN KEY(cou\_code) REFERENCES COURSE(cou\_code)

);

CREATE TABLE PRE\_COURSE(

cou\_code CHAR(10),

pre\_cou CHAR(10) NOT NULL REFERENCES PRE\_COURSE(cou\_code),

FOREIGN KEY (cou\_code) REFERENCES COURSE (cou\_code)

-- FOREIGN KEY (pre\_cou) REFERENCES PRE\_COURSE(pre\_cou)

);

CREATE TABLE COU\_STUDENT(

cou\_code CHAR(10),

stu\_id INT,

year\_taken INT,

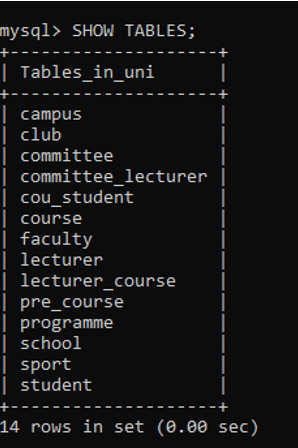
sem\_taken INT,

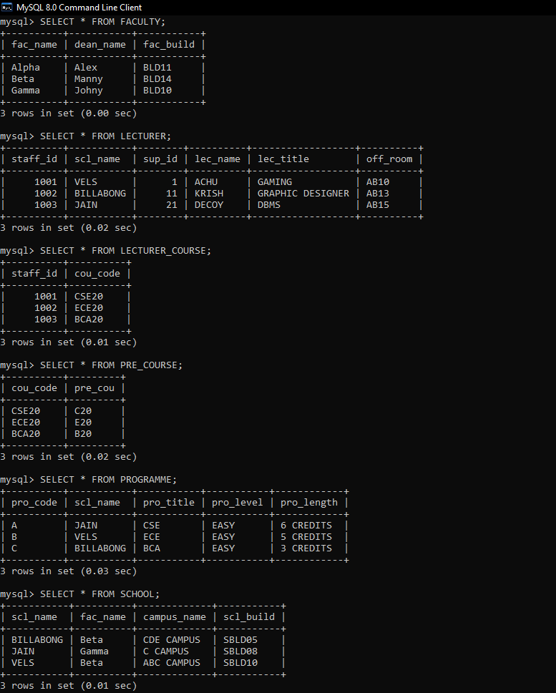
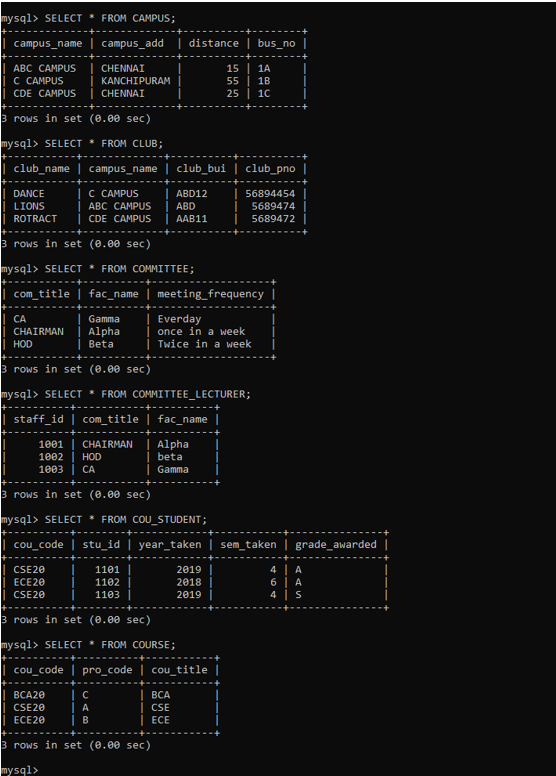
grade\_awarded CHAR(10),

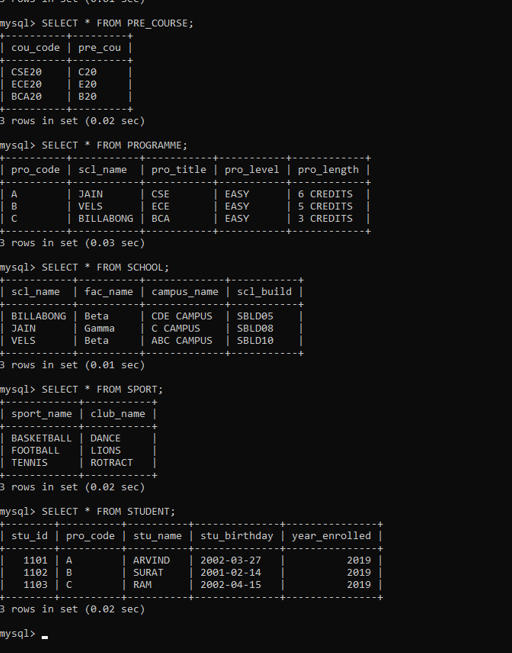
FOREIGN KEY (cou\_code) REFERENCES COURSE(cou\_code),

FOREIGN KEY (stu\_id) REFERENCES STUDENT(stu\_id)

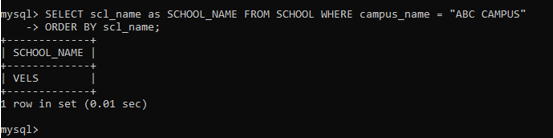
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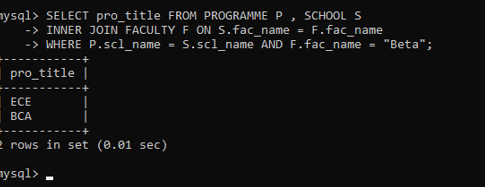


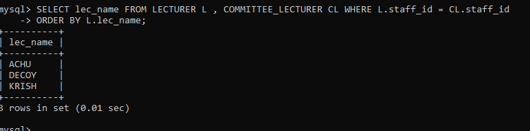


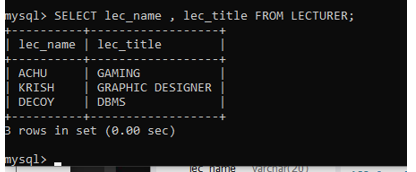


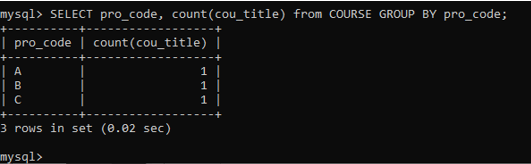
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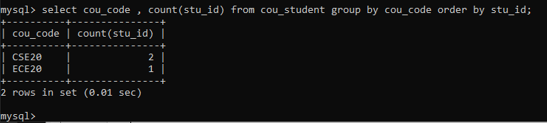
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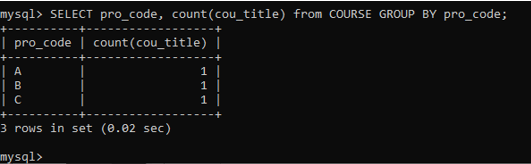
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