

Application Software Development Lab (ASDL)

Github : [ceccs18c59/cs331:Application Software Development Lab \(github.com\)](https://github.com/ceccs18c59/cs331:Application-Software-Development-Lab)

Experiment 4

SQL Query

```
CREATE DATABASE lab4;
USE lab4;
```

a:

```
CREATE TABLE department (
    code CHAR(4) PRIMARY KEY,
    title VARCHAR(20),
    dept_name VARCHAR(20) UNIQUE,
    dept_id CHAR(4),
    salary FLOAT CHECK(Salary>2000));

INSERT INTO department (code,title,dept_name,dept_id,salary)
VALUES('csc', 'BTECH', 'Computer', 'cs', 5000),
      ('etl', 'BTECH', 'Electrical', 'eee', 3000),
      ('ece', 'BTECH', 'Electronics', 'ee', 4000);
```

b:

```
CREATE TABLE instructor (
    name VARCHAR(15) NOT NULL,
    code CHAR(5),
    id CHAR(10) DEFAULT "instructor");

INSERT INTO instructor (name,code)
VALUES ('Jonny', 'sc');
INSERT INTO instructor VALUES('Scott', 'dc','i2'),
                              ('Edison', 'me', 'i4');
```

Result

```
Select MySQL 8.0 Command Line Client
mysql> CREATE DATABASE lab4
-> ;
Query OK, 1 row affected (0.01 sec)

mysql> USE lab4;
Database changed
mysql> CREATE TABLE department (
->   code CHAR(4) PRIMARY KEY,
->   title VARCHAR(20),
->   dept_name VARCHAR(20) UNIQUE,
->   dept_id CHAR(4),
->   salary FLOAT CHECK(Salary>2000));
Query OK, 0 rows affected (0.07 sec)

mysql> INSERT INTO department (code,title,dept_name,dept_id,salary)
-> VALUES('csc','BTECH','Computer','cs',5000),
-> ('etl','BTECH','Electrical','eee',3000),
-> ('ece','BTECH','Electronics','ee',4000);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql>
mysql> CREATE TABLE instructor (
-> name VARCHAR(15) NOT NULL,
-> code CHAR(5),
-> id CHAR(10) DEFAULT "instructor");
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO instructor (name,code)
-> VALUES ('Jonny','sc');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO instructor VALUES('Scott','dc','i2'),
-> ('Edison','me','i4');
Query OK, 2 rows affected (0.00 sec)
Records: 2 Duplicates: 0 Warnings: 0

mysql>
```

```
MySQL 8.0 Command Line Client
mysql> SELECT * FROM department
-> ;
+----+-----+-----+-----+-----+
| code | title | dept_name | dept_id | salary |
+----+-----+-----+-----+-----+
| csc  | BTECH | Computer  | cs      | 5000   |
| ece  | BTECH | Electronics| ee      | 4000   |
| etl  | BTECH | Electrical | eee     | 3000   |
+----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT * FROM instructor;
+----+-----+-----+
| name | code | id   |
+----+-----+-----+
| Jonny | sc   | i2   |
| Scott | dc   | i4   |
| Edison | me  | i4   |
+----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```