

Application Software Development Lab (ASDL)

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

Experiment 2

SQL Query

```
-- Using cs333 database

USE cs333;

--Creating a table 'employee'
#1
CREATE TABLE employee (
    code VARCHAR(4) NOT NULL,
    name VARCHAR(10) NOT NULL,
    designation VARCHAR(30) NOT NULL,
    dob DATE NOT NULL,
    salary INT NOT NULL,
    PRIMARY KEY (code));

--Adding Data to 'employee'

#2
INSERT INTO employee (code, name, designation, dob, salary)
VALUES ('1', 'John', 'Manager', '1995-07-13', '15000'),
       ('2', 'Sharon', 'Assistant Engineer', '1997-10-06', '6000');

-- Display all
#3
SELECT * FROM employee;

-- Updating data in the table
#4
UPDATE employee SET SALARY = 20000 WHERE code = '1';

-- Deleting a Row in table
#5
DELETE FROM employee
WHERE code = '2';
```

Result

```
MySQL 8.0 Command Line Client
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use cs333;
Database changed
mysql> CREATE TABLE employee (
->   code VARCHAR(4) NOT NULL,
->   name VARCHAR(10) NOT NULL,
->   designation VARCHAR(30) NOT NULL,
->   dob DATE NOT NULL,
->   salary INT NOT NULL,
->   PRIMARY KEY (code));
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO employee (code, name, designation, dob, salary)
-> VALUES ('1', 'John', 'Manager', '1995-07-13', '15000'),
->         ('2', 'Sharon', 'Assistant Engineer', '1997-10-06', '6000');
Query OK, 2 rows affected (0.01 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM employee;
+----+-----+-----+-----+-----+
| code | name  | designation | dob       | salary |
+----+-----+-----+-----+-----+
| 1    | John  | Manager    | 1995-07-13 | 15000 |
| 2    | Sharon| Assistant Engineer | 1997-10-06 | 6000  |
+----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

```
MySQL 8.0 Command Line Client
+----+-----+-----+-----+-----+
| 1    | John  | Manager    | 1995-07-13 | 15000 |
| 2    | Sharon| Assistant Engineer | 1997-10-06 | 6000  |
+----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> UPDATE employee SET SALARY = 20000 WHERE code = '1';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM employee;
+----+-----+-----+-----+-----+
| code | name  | designation | dob       | salary |
+----+-----+-----+-----+-----+
| 1    | John  | Manager    | 1995-07-13 | 20000 |
| 2    | Sharon| Assistant Engineer | 1997-10-06 | 6000  |
+----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> DELETE FROM employee WHERE code = "2";
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM employee;
+----+-----+-----+-----+-----+
| code | name  | designation | dob       | salary |
+----+-----+-----+-----+-----+
| 1    | John  | Manager    | 1995-07-13 | 20000 |
+----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```