

EX 1

```
mysql> CREATE TABLE DEPT (  
  -> ID INT (7),  
  -> NAME VARCHAR(25));  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> CREATE TABLE EMP (  
  -> ID INT (7),  
  -> FIRST_NAME VARCHAR(25),  
  -> LAST_NAME VARCHAR(25),  
  -> DEPT_ID INT(7));  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> ALTER TABLE EMP MODIFY LAST_NAME VARCHAR(50);  
Query OK, 0 rows affected (0.02 sec)  
Records: 0 Duplicates: 0 Warnings: 0  
  
mysql> CREATE TABLE EMPLOYEES2 (  
  -> ID INT(7),  
  -> FIRST_NAME VARCHAR(25),  
  -> LAST_NAME VARCHAR(25),  
  -> SALARY NUMERIC(10, 2),  
  -> DEPT_ID INT(7));  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> DROP TABLE EMP;  
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> RENAME TABLE EMPLOYEES2 TO EMP;  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> ALTER TABLE EMP DROP COLUMN FIRST_NAME;  
Query OK, 0 rows affected (0.01 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

EX 2

```
mysql> CREATE TABLE MY_EMPLOYEE (
  -> ID INT(4) NOT NULL,
  -> First_Name VARCHAR(25),
  -> Last_Name VARCHAR(25),
  -> UserId VARCHAR(25),
  -> Salary NUMERIC(9, 2));
Query OK, 0 rows affected (0.00 sec)

mysql> INSERT INTO MY_EMPLOYEE
  -> VALUES (1, "Ralph", "Patel", "rpatel", 895);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO MY_EMPLOYEE
  -> VALUES (2, "Betty", "Dancs", "bdancs", 860);
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM MY_EMPLOYEE;
+----+-----+-----+-----+-----+
| ID | First_Name | Last_Name | UserId | Salary |
+----+-----+-----+-----+-----+
| 1 | Ralph      | Patel     | rpatel | 895.00 |
| 2 | Betty      | Dancs     | bdancs | 860.00 |
+----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> INSERT INTO MY_EMPLOYEE
  -> VALUES (3, "Ben", "Biri", "bbiri", 1100);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO MY_EMPLOYEE
  -> VALUES (4, "Chad", "Newman", "Cnewman", 750);
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM MY_EMPLOYEE;
+----+-----+-----+-----+-----+
| ID | First_Name | Last_Name | UserId | Salary |
+----+-----+-----+-----+-----+
| 1 | Ralph      | Patel     | rpatel | 895.00 |
| 2 | Betty      | Dancs     | bdancs | 860.00 |
| 3 | Ben        | Biri      | bbiri  | 1100.00 |
| 4 | Chad       | Newman    | Cnewman | 750.00 |
+----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> UPDATE MY_EMPLOYEE SET Salary = 1000 WHERE Salary < 900;
Query OK, 3 rows affected (0.00 sec)
Rows matched: 3  Changed: 3  Warnings: 0

mysql> SELECT * FROM MY_EMPLOYEE;
+----+-----+-----+-----+-----+
| ID | First_Name | Last_Name | UserId | Salary |
+----+-----+-----+-----+-----+
| 1 | Ralph      | Patel     | rpatel | 1000.00 |
| 2 | Betty      | Dancs     | bdancs | 1000.00 |
| 3 | Ben        | Drexler   | bbiri  | 1100.00 |
| 4 | Chad       | Newman    | Cnewman | 1000.00 |
+----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> DELETE FROM MY_EMPLOYEE WHERE First_Name = "Betty" AND Last_Name = "Dancs";
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM MY_EMPLOYEE;
+----+-----+-----+-----+-----+
| ID | First_Name | Last_Name | UserId | Salary |
+----+-----+-----+-----+-----+
| 1 | Ralph      | Patel     | rpatel | 1000.00 |
| 3 | Ben        | Drexler   | bbiri  | 1100.00 |
| 4 | Chad       | Newman    | Cnewman | 1000.00 |
+----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> DELETE FROM MY_EMPLOYEE WHERE ID = 4;
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM MY_EMPLOYEE;
+----+-----+-----+-----+-----+
| ID | First_Name | Last_Name | UserId | Salary |
+----+-----+-----+-----+-----+
| 1 | Ralph      | Patel     | rpatel | 1000.00 |
| 3 | Ben        | Drexler   | bbiri  | 1100.00 |
+----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

EX 3

```
mysql> ALTER TABLE emp
  -> ADD CONSTRAINT my_emp_id_pk PRIMARY KEY (id);
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> ALTER TABLE DEPT
  -> ADD CONSTRAINT my_dept_id_pk PRIMARY KEY (ID);
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> ALTER TABLE EMP
  -> ADD CONSTRAINT my_emp_dept_id_fk
  -> FOREIGN KEY (Dept_id) REFERENCES DEPT (ID);
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> ALTER TABLE EMP
  -> ADD COMMISSION NUMERIC(2,2)
  -> CONSTRAINT my_emp_comm_ck CHECK (COMMISSION > 0);
```