**Question 2**

Create a table called Employee that contain attributes EMPNO,ENAME,JOB, MGR,SAL &

execute the following.

Add a column commission with domain to the Employeetable.

Insert any five records into the table.

Update the column details of job

Rename the column of Employ table using alter command.

Delete the employee whose Empno is 105.

**Solution**

Creating the Employee Table

**mysql> CREATE DATABASE COMPANY02;**

Query OK, 1 row affected (0.16 sec)

**mysql> USE COMPANY02;**

Database changed

**mysql> CREATE TABLE Employee (**

**-> EMPNO INT,**

**-> ENAME VARCHAR(255),**

**-> JOB VARCHAR(255),**

**-> MGR INT,**

**-> SAL DECIMAL(10, 2)**

**-> );**

Query OK, 0 rows affected (0.48 sec)

**mysql> SHOW TABLES;**

+---------------------+

| Tables\_in\_COMPANY02 |

+---------------------+

| Employee |

+---------------------+

1 row in set (0.00 sec)

**mysql> DESC Employee;**

+-------+---------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------+---------------+------+-----+---------+-------+

| EMPNO | int | YES | | NULL | |

| ENAME | varchar(255) | YES | | NULL | |

| JOB | varchar(255) | YES | | NULL | |

| MGR | int | YES | | NULL | |

| SAL | decimal(10,2) | YES | | NULL | |

+-------+---------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

Adding a Column (Commission) to the Employee Table

**mysql> ALTER TABLE Employee**

-> ADD COLUMN COMMISSION DECIMAL(10, 2);

Query OK, 0 rows affected (0.37 sec)

**mysql> DESC Employee;**

+------------+---------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+---------------+------+-----+---------+-------+

| EMPNO | int | YES | | NULL | |

| ENAME | varchar(255) | YES | | NULL | |

| JOB | varchar(255) | YES | | NULL | |

| MGR | int | YES | | NULL | |

| SAL | decimal(10,2) | YES | | NULL | |

| COMMISSION | decimal(10,2) | YES | | NULL | |

+------------+---------------+------+-----+---------+-------+

6 rows in set (0.00 sec)

We have added a column COMMISSION using the ALTER command, which is shown above.

**Inserting 5 Records into the Employee Table**

**mysql> INSERT INTO Employee (EMPNO, ENAME, JOB, MGR, SAL, COMMISSION)**

**-> VALUES**

**-> (101, 'Radha Bai', 'Manager', NULL, 5000.00, 1000.00),**

**-> (102, 'Krishna Kumar', 'Developer', 101, 4000.00, NULL),**

**-> (103, 'Abdul Sattar', 'Salesperson', 102, 3000.00, 500.00),**

**-> (104, 'Bob Johnson', 'Accountant', 101, 4500.00, NULL),**

**-> (105, 'Amartya Sen', 'HR Manager', 101, 4800.00, 800.00);**

Query OK, 5 rows affected (0.12 sec)

Records: 5 Duplicates: 0 Warnings: 0

**mysql> SELECT \* FROM Employee;**

+-------+---------------+-------------+------+---------+------------+

| EMPNO | ENAME | JOB | MGR | SAL | COMMISSION |

+-------+---------------+-------------+------+---------+------------+

| 101 | Radha Bai | Manager | NULL | 5000.00 | 1000.00 |

| 102 | Krishna Kumar | Developer | 101 | 4000.00 | NULL |

| 103 | Abdul Sattar | Salesperson | 102 | 3000.00 | 500.00 |

| 104 | Bob Johnson | Accountant | 101 | 4500.00 | NULL |

| 105 | Amartya Sen | HR Manager | 101 | 4800.00 | 800.00 |

+-------+---------------+-------------+------+---------+------------+

5 rows in set (0.00 sec)

Updating Column Details (JOB) in the Employee Table

**mysql> UPDATE Employee**

**-> SET JOB = 'Senior Developer'**

**-> WHERE EMPNO = 102;**

Query OK, 1 row affected (0.09 sec)

Rows matched: 1 Changed: 1 Warnings: 0

**mysql> SELECT \* FROM Employee;**

+-------+---------------+------------------+------+---------+------------+

| EMPNO | ENAME | JOB | MGR | SAL | COMMISSION |

+-------+---------------+------------------+------+---------+------------+

| 101 | Radha Bai | Manager | NULL | 5000.00 | 1000.00 |

| 102 | Krishna Kumar | Senior Developer | 101 | 4000.00 | NULL |

| 103 | Abdul Sattar | Salesperson | 102 | 3000.00 | 500.00 |

| 104 | Bob Johnson | Accountant | 101 | 4500.00 | NULL |

| 105 | Amartya Sen | HR Manager | 101 | 4800.00 | 800.00 |

+-------+---------------+------------------+------+---------+------------+

5 rows in set (0.00 sec)

**Renaming a Column in the Employee Table**

**To rename the MGR column to MANAGER\_ID:**

**mysql> ALTER TABLE Employee**

**-> CHANGE COLUMN MGR MANAGER\_ID INT;**

Query OK, 0 rows affected (0.30 sec)

Records: 0 Duplicates: 0 Warnings: 0

**mysql> DESC Employee;**

+------------+---------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+---------------+------+-----+---------+-------+

| EMPNO | int | YES | | NULL | |

| ENAME | varchar(255) | YES | | NULL | |

| JOB | varchar(255) | YES | | NULL | |

| MANAGER\_ID | int | YES | | NULL | |

| SAL | decimal(10,2) | YES | | NULL | |

| COMMISSION | decimal(10,2) | YES | | NULL | |

+------------+---------------+------+-----+---------+-------+

6 rows in set (0.00 sec)

**Deleting a Specific Employee (EMPNO = 105) from the Employee Table**

**mysql> DELETE FROM Employee**

**-> WHERE EMPNO = 105;**

Query OK, 1 row affected (0.14 sec)

**mysql> SELECT \* FROM Employee;**

+-------+---------------+------------------+------------+---------+------------+

| EMPNO | ENAME | JOB | MANAGER\_ID | SAL | COMMISSION |

+-------+---------------+------------------+------------+---------+------------+

| 101 | Radha Bai | Manager | NULL | 5000.00 | 1000.00 |

| 102 | Krishna Kumar | Senior Developer | 101 | 4000.00 | NULL |

| 103 | Abdul Sattar | Salesperson | 102 | 3000.00 | 500.00 |

| 104 | Bob Johnson | Accountant | 101 | 4500.00 | NULL |

+-------+---------------+------------------+------------+---------+------------+

4 rows in set (0.00 sec)