

## “Exp 5: Demonstrate to Alter Table (Add Column, Delete Column, Rename, Modify Column.”

\*] Consider the following Table (it'll be used for further demonstrations) : -

```
mysql> SELECT * FROM exp5;
```

Emp_ID	Emp_Name	Emp_Designation
1	Monica Geller	Chef
2	Joseph Tribianni Jr	Actor
3	Chandler Bing	Data Scientist
4	Ross Geller	Paleontologist
5	Phoebe Buffay	Singer
6	Rachel Greene	Waitress

```
6 rows in set (0.00 sec)
```

### 1] Add Column : -

I] Adding a new column to the table : -

```
mysql> ALTER TABLE exp5  
-> ADD COLUMN Gender varchar(255);  
Query OK, 0 rows affected (0.04 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

II] Updating values in newly added column : -

P.T.O →

## II] Updating values in newly added column :-

```
mysql> UPDATE exp5
-> SET Gender = 'F'
-> WHERE Emp_ID=1;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE exp5
-> SET Gender = 'M'
-> WHERE Emp_ID=2;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE exp5
-> SET Gender = 'M'
-> WHERE Emp_ID=3;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE exp5
-> SET Gender = 'M'
-> WHERE Emp_ID=4;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE exp5
-> SET Gender = 'F'
-> WHERE Emp_ID=5;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE exp5
-> SET Gender = 'F'
-> WHERE Emp_ID=6;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql>
```

## III] Viewing the table :-

```
mysql> SELECT * FROM exp5;
```

Emp_ID	Emp_Name	Emp_Designation	Gender
1	Monica Geller	Chef	F
2	Joseph Tribianni Jr	Actor	M
3	Chandler Bing	Data Scientist	M
4	Ross Geller	Paleontologist	M
5	Phoebe Buffay	Singer	F
6	Rachel Greene	Waitress	F

```
6 rows in set (0.00 sec)
```

## 2] Delete Column :-

```
mysql> ALTER TABLE exp5
-> DROP COLUMN Gender;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> select * from exp5;
```

Emp_ID	Emp_Name	Emp_Designation
1	Monica Geller	Chef
2	Joseph Tribianni Jr	Actor
3	Chandler Bing	Data Scientist
4	Ross Geller	Paleontologist
5	Phoebe Buffay	Singer
6	Rachel Greene	Waitress

```
6 rows in set (0.00 sec)
```

## 3] RENAME :-

```
mysql> ALTER TABLE exp5
-> RENAME COLUMN Emp_Designation to Emp_Jobs;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> select * from exp5;
```

Emp_ID	Emp_Name	Emp_Jobs
1	Monica Geller	Chef
2	Joseph Tribianni Jr	Actor
3	Chandler Bing	Data Scientist
4	Ross Geller	Paleontologist
5	Phoebe Buffay	Singer
6	Rachel Greene	Waitress

```
6 rows in set (0.00 sec)
```

#### 4] Modify Column :-

##### a] Modifying column's datatype :-

```
mysql> ALTER TABLE exp5
      -> MODIFY COLUMN Emp_ID float;
Query OK, 6 rows affected (0.09 sec)
Records: 6  Duplicates: 0  Warnings: 0
```

```
mysql> select * from exp5;
```

Emp_ID	Emp_Name	Emp_Jobs
1	Monica Geller	Chef
2	Joseph Tribianni Jr	Actor
3	Chandler Bing	Data Scientist
4	Ross Geller	Paleontologist
5	Phoebe Buffay	Singer
6	Rachel Greene	Waitress

```
6 rows in set (0.01 sec)
```

##### b] Modifying column's size :-

```
mysql> ALTER TABLE exp5 MODIFY Emp_Jobs VARCHAR(40);
Query OK, 0 rows affected (0.08 sec)
Records: 0  Duplicates: 0  Warnings: 0
```