

## MYSQL

Consider the Company database with following tables:

### 1. Employee

Emp\_No (PRIMARY KEY)  
Emp\_Name  
Address  
Sex  
Dept  
Salary  
DOJ  
Branch

### 2. Department

Dept\_No (Primary Key)  
DName  
Mgr\_Id  
Mgr\_Strtdatetime

I. Consider the Department table

1. Rename the table Department as Dept
2. Add a new column Phone with not null constraints to the existing table Dept
3. Rename the column DName to Dept\_Name in Dept table
4. Change the data type of column DName as CHAR with size 10
5. Delete table

```
mysql> show databases;
```

| Database           |
|--------------------|
| company            |
| information_schema |
| mysql              |
| performance_schema |
| sys                |

```
5 rows in set (0.14 sec)
```

```
mysql> use company;
```

```
Database changed
```

```
mysql> alter table Department rename to Dept;
```

```
Query OK, 0 rows affected (0.22 sec)
```

```
mysql> alter table Dept add column Phone varchar(10) not null;
```

```
Query OK, 0 rows affected (0.08 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc Dept;
```

| Field         | Type        | Null | Key | Default | Extra |
|---------------|-------------|------|-----|---------|-------|
| Dept_no       | int         | NO   | PRI | NULL    |       |
| Dname         | varchar(30) | YES  |     | NULL    |       |
| Mgr_id        | int         | YES  | UNI | NULL    |       |
| mgr_startdate | date        | YES  |     | NULL    |       |
| Phone         | varchar(10) | NO   |     | NULL    |       |

```
5 rows in set (0.02 sec)
```

```
mysql> alter table Dept rename column Dname to Dept_Name;
```

```
Query OK, 0 rows affected (0.02 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc Dept;
```

| Field         | Type        | Null | Key | Default | Extra |
|---------------|-------------|------|-----|---------|-------|
| Dept_no       | int         | NO   | PRI | NULL    |       |
| Dept_Name     | varchar(30) | YES  |     | NULL    |       |
| Mgr_id        | int         | YES  | UNI | NULL    |       |
| mgr_startdate | date        | YES  |     | NULL    |       |
| Phone         | varchar(10) | NO   |     | NULL    |       |

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

```
mysql> alter table Dept modify Dept_name varchar(10);
```

```
Query OK, 4 rows affected (0.15 sec)
```

```
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> desc Dept;
```

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

|              |             |     |     |      |  |
|--------------|-------------|-----|-----|------|--|
| Dept_no      | int         | NO  | PRI | NULL |  |
| Dept_name    | varchar(10) | YES |     | NULL |  |
| Mgr_id       | int         | YES | UNI | NULL |  |
| mgr_strtdate | date        | YES |     | NULL |  |
| Phone        | varchar(10) | NO  |     | NULL |  |

5 rows in set (0.01 sec)

```
mysql> drop table Dept;  
Query OK, 0 rows affected (0.06 sec)
```

```
mysql>
```