

```
mysql> USE companyDB;
Database changed
mysql> CREATE TABLE department(DeptID INT PRIMARY KEY,DeptName VARCHAR(50));
Query OK, 0 rows affected (0.04 sec)

mysql> DESC department;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| DeptID | int    | NO   | PRI | NULL    |       |
| DeptName | varchar(50) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> CREATE TABLE Employee(EmpID INT PRIMARY KEY,EmpName VARCHAR(50),DeptID INT,FOREIGN KEY(DeptID) REFERENCES Department(DeptID));
Query OK, 0 rows affected (0.03 sec)

mysql> DESC Employee;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| EmpID | int    | NO   | PRI | NULL    |       |
| EmpName | varchar(50) | YES  |     | NULL    |       |
| DeptID | int    | YES  | MUL | NULL    |       |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> CREATE TABLE Users(UserID INT PRIMARY KEY,Email VARCHAR(100) UNIQUE);
Query OK, 0 rows affected (0.02 sec)

mysql> DESC Users;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| UserID | int    | NO   | PRI | NULL    |       |
| Email | varchar(100) | YES  | UNI | NULL    |       |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> DESC Users;
```

```
MySQL 8.0 Command Line Cli X + | v
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> CREATE TABLE Users(UserID INT PRIMARY KEY,Email VARCHAR(100) UNIQUE);
Query OK, 0 rows affected (0.02 sec)

mysql> DESC Users;
+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| UserID | int    | NO   | PRI | NULL    |       |
| Email  | varchar(100) | YES  | UNI | NULL    |       |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> DESC Users;
+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| UserID | int    | NO   | PRI | NULL    |       |
| Email  | varchar(100) | YES  | UNI | NULL    |       |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> CREATE TABLE Products(productID INT PRIMARY KEY,price DECIMAL(10,2) CHECK(price>0));
Query OK, 0 rows affected (0.02 sec)

mysql> DESC product;
ERROR 1146 (42S02): Table 'companydb.product' doesn't exist
mysql> CREATE TABLE orders(orderID INT PRIMARY KEY,status VARCHAR(20) DEFAULT 'pending');
Query OK, 0 rows affected (0.02 sec)

mysql> DESC orders;
+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+
| orderID | int    | NO   | PRI | NULL    |       |
| status   | varchar(20) | YES  |     | pending |       |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```