

```
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 Cl  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)
```