

```
mysql> create database records;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> use records
Database changed
```

```
mysql> create table Suppliers(sid int primary key,name varchar(20) not
null,status varchar(10) not null,city varchar(15) not null);
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> create table parts(PID int(10) primary key,part_name
varchar(20)not null,colour varchar(10),weight int(5),city varchar(15)not
null);
Query OK, 0 rows affected, 2 warnings (0.02 sec)
```

```
mysql> create table projects(JID int(10) primary key,project_name
varchar(15)unique,city varchar(15)not null);
Query OK, 0 rows affected, 1 warning (0.02 sec)
```

```
mysql> create table shipment(sid int,PID int,JID int,Quantity int not
null,foreign key(sid) references Suppliers(sid),foreign key(PID)
references parts(PID),foreign key(JID) references projects(JID));
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> desc suppliers;
```

Field	Type	Null	Key	Default	Extra
sid	int	NO	PRI	NULL	
name	varchar(20)	NO		NULL	
status	varchar(10)	NO		NULL	
city	varchar(15)	NO		NULL	

4 rows in set (0.02 sec)

```
mysql> desc parts
```

```
-> ;
```

Field	Type	Null	Key	Default	Extra
PID	int	NO	PRI	NULL	
part_name	varchar(20)	NO		NULL	
colour	varchar(10)	YES		NULL	
weight	int	YES		NULL	
city	varchar(15)	NO		NULL	

5 rows in set (0.00 sec)

```
mysql> desc projects
```

```
-> ;
```

Field	Type	Null	Key	Default	Extra
JID	int	NO	PRI	NULL	
project_name	varchar(15)	YES	UNI	NULL	
city	varchar(15)	NO		NULL	

3 rows in set (0.00 sec)

```
mysql> desc shipment;
```

```

+-----+-----+-----+-----+-----+-----+
| Field      | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| sid        | int  | YES  | MUL | NULL     |       |
| PID        | int  | YES  | MUL | NULL     |       |
| JID        | int  | YES  | MUL | NULL     |       |
| Quantity   | int  | NO   |     | NULL     |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

```
mysql> insert into parts values("1", "motor", "silver", "50", "kolkata");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into parts values("3", "engine", "black", "70", "mumbai");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into parts values("2", "radiator", "black", "90",
"mumbai");
Query OK, 1 row affected (0.01 sec)
```

```
mysql>
mysql> insert into projects values("1","MYsql","pune");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into projects values("2","JAVA","HYD");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into projects values("3","LINUX","CHN");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into suppliers values("1","ajay","one","pune");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into suppliers values("2","Prince","two","pune");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into suppliers values("3","Aditya","bad","Burhanpur");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into shipment values(1,1,1,20);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into shipment values(1,3,2,45);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select* from parts;
```

```

+-----+-----+-----+-----+-----+-----+
| PID | part_name | colour | weight | city      |
+-----+-----+-----+-----+-----+-----+
| 1   | motor     | silver | 50     | kolkata   |
| 2   | radiator  | black  | 90     | mumbai    |
| 3   | engine    | black  | 70     | mumbai    |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

```
mysql> select* from parts;
```

```

+-----+-----+-----+-----+-----+-----+
| PID | part_name | colour | weight | city      |
+-----+-----+-----+-----+-----+-----+
| 1   | motor     | silver | 50     | kolkata   |

```

2	radiator	black	90	mumbai
3	engine	black	70	mumbai

3 rows in set (0.00 sec)

```
mysql> select* from projects;
```

JID	project_name	city
1	MySQL	pune
2	JAVA	HYD
3	LINUX	CHN

3 rows in set (0.00 sec)

```
mysql> select* from shipment;
```

sid	PID	JID	Quantity
1	1	1	20
1	3	2	45

2 rows in set (0.00 sec)

```
mysql> select* from suppliers;
```

sid	name	status	city
1	ajay	one	pune
2	Prince	two	pune
3	Aditya	bad	Burhanpur

3 rows in set (0.00 sec)

```
mysql> create table stud(roll int primary key, name varchar (20));
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> desc stud;
```

Field	Type	Null	Key	Default	Extra
roll	int	NO	PRI	NULL	
name	varchar(20)	YES		NULL	

2 rows in set (0.00 sec)

```
mysql> alter table stud add column(DOB date not null);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> alter table stud drop column DOB;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> alter table stud modify name varchar (200);
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> alter table stud add constraint c_1 unique(name);
Query OK, 0 rows affected (0.02 sec)
```

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> alter table stud drop index c_1;
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc stud;
```

Field	Type	Null	Key	Default	Extra
roll	int	NO	PRI	NULL	
name	varchar(200)	YES		NULL	

2 rows in set (0.00 sec)

```
mysql> alter table stud drop primary key;
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc stud;
```

Field	Type	Null	Key	Default	Extra
roll	int	NO		NULL	
name	varchar(200)	YES		NULL	

2 rows in set (0.00 sec)

```
mysql> alter table stud modify name varchar (200) default "kumar";
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc stud;
```

Field	Type	Null	Key	Default	Extra
roll	int	NO		NULL	
name	varchar(200)	YES		kumar	

2 rows in set (0.00 sec)

```
mysql> rename table stud to student;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
roll	int	NO		NULL	
name	varchar(200)	YES		kumar	

2 rows in set (0.00 sec)

```
mysql> insert into student values(1,"hey");
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into student values(2,"patil");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into student values(2,"singh");
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select* from student;
```

roll	name
1	hey
2	patil
2	singh

3 rows in set (0.00 sec)

```
mysql> truncate table student;
```

Query OK, 0 rows affected (0.02 sec)

```
mysql>
```

```
mysql> drop table student;
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> create table stud(roll int primary key, name varchar (20));
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> set autocommit=0;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> insert into stud values(1,"me");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into stud values(2,"you");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> select* from student;
```

ERROR 1146 (42S02): Table 'records.student' doesn't exist

```
mysql> select* from stud;
```

roll	name
1	me
2	you

2 rows in set (0.00 sec)

```
mysql> rollback;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> create user omkar identified by"Prakhar4";
```

Query OK, 0 rows affected (0.02 sec)