

```
1].create table S (`S#` char(5) not null,Sname char(20),Status SMALLINT,City char(15));
```

```
desc S;
```

Field	Type	Null	Key	Default	Extra
S#	char(5)	NO		NULL	
Sname	char(20)	YES		NULL	
Status	smallint	YES		NULL	
City	char(15)	YES		NULL	

```
mysql> Insert into S values("S1","Smith",20,"London");
Query OK, 1 row affected (0.03 sec)

mysql> Insert into S values("S2","Jones",10,"Paris");
Query OK, 1 row affected (0.01 sec)

mysql> Insert into S values("S3","Blake",30,"Paris");
Query OK, 1 row affected (0.01 sec)

mysql> Insert into S values("S$","Clark",20,"London");
Query OK, 1 row affected (0.01 sec)

mysql> Insert into S values("S4","Clark",20,"London");
Query OK, 1 row affected (0.01 sec)

mysql> Insert into S values("S5","Adams",30,"Athens");
Query OK, 1 row affected (0.01 sec)
```

S#	Sname	Status	City
S1	Smith	20	London
S2	Jones	10	Paris
S3	Blake	30	Paris
S4	Clark	20	London
S5	Adams	30	Athens

2.]

```
create table P (`P#` char(6) not null ,Pname char(20), Color char(6),Weight smallint,CITY char(15));
```

```
mysql> desc P;
+-----+-----+-----+-----+-----+
| Field | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| P#    | char(6)| NO   | YES | NULL    |       |
| Pname | char(20)| YES  |     | NULL    |       |
| Color | char(6) | YES  |     | NULL    |       |
| Weight| smallint| YES  |     | NULL    |       |
| CITY  | char(15)| YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)
```

```
mysql> insert into P values ("P1","Nut","Red",12,"London");
Query OK, 1 row affected (0.01 sec)

mysql> insert into P values ("P2","Bolt","Green",17,"Paris");
Query OK, 1 row affected (0.01 sec)

mysql> insert into P values ("P3","Screw","Blue",17,"Rome");
Query OK, 1 row affected (0.01 sec)

mysql> insert into P values ("P4","Screw","Red",14,"London");
Query OK, 1 row affected (0.01 sec)
```

```

mysql> insert into P values ("P5","Cam","Blue",12,"Paris");
Query OK, 1 row affected (0.01 sec)

mysql> insert into P values ("P6","Cog","Red",19,"London");
Query OK, 1 row affected (0.01 sec)

mysql> select * from P;
+---+---+---+---+
| P# | Pname | Color | Weight | CITY   |
+---+---+---+---+
| P1 | Nut   | Red   |    12 | London |
| P2 | Bolt  | Green  |    17 | Paris  |
| P3 | Screw | Blue   |    17 | Rome   |
| P4 | Screw | Red   |    14 | London |
| P5 | Cam   | Blue   |    12 | Paris  |
| P6 | Cog   | Red   |    19 | London |
+---+---+---+---+
6 rows in set (0.00 sec)

```

3.]

```
create table J (`J#` char(4) not null ,Jname char(10),CITY char(15));
```

```

mysql> desc J;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| J#    | char(4) | NO   | YES | NULL    |       |
| Jname | char(10) | YES  |     | NULL    |       |
| CITY  | char(15) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.12 sec)

```

```

mysql> insert into J values ("J1","Sorter","Paris");
Query OK, 1 row affected (0.03 sec)

mysql> insert into J values ("J2","Punch","Rome");
Query OK, 1 row affected (0.01 sec)

mysql> insert into J values ("J3","Reader","Athens");
Query OK, 1 row affected (0.01 sec)

mysql> insert into J values ("J4","Console","Athens");
Query OK, 1 row affected (0.01 sec)

mysql> insert into J values ("J5","Collator","London");
Query OK, 1 row affected (0.01 sec)

mysql> insert into J values ("J6","Treminal","oslo");
Query OK, 1 row affected (0.01 sec)

mysql> insert into J values ("J7","Tape","London");
Query OK, 1 row affected (0.01 sec)

```

```

mysql> select * from J;
+---+---+---+
| J# | Jname   | CITY  |
+---+---+---+
| J1 | Sorter  | Paris |
| J2 | Punch   | Rome  |
| J3 | Reader  | Athens|
| J4 | Console | Athens|
| J5 | Collator| London|
| J6 | Treminal| oslo  |
| J7 | Tape    | London|
+---+---+---+
7 rows in set (0.00 sec)

```

4.]create table sp (`S#` char(4) not null ,`P#` char(4) not null,`J#` char(4) not null,QTY int);

```

mysql> desc sp;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| S#    | char(4) | NO   | YES | NULL    |       |
| P#    | char(4) | NO   |     | NULL    |       |
| J#    | char(4) | NO   |     | NULL    |       |
| QTY   | int     | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
4 rows in set (0.02 sec)

```

```
mysql> insert into sp values ("S1","P1","J1",200);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S1","P1","J4",700);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S2","P3","J1",400);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S2","P3","J2",200);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S2","P3","J3",200);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S2","P3","J4",500);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S2","P3","J5",600);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S2","P3","J6",400);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S2","P3","J7",800);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S2","P5","J2",100);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S3","P2","J1",200);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S3","P4","J2",500);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S4","P6","J3",300);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S4","P6","J7",300);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P2","J2",300);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P2","J4",100);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P5","J5",500);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P5","J7",100);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P6","J2",200);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P1","J4",100);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P3","J4",200);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P4","J4",800);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P5","J4",400);
Query OK, 1 row affected (0.01 sec)

mysql> insert into sp values ("S5","P6","J4",500);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from sp;
+---+---+---+---+
| S# | P# | J# | QTY |
+---+---+---+---+
| S1 | P1 | J1 | 200 |
| S1 | P1 | J4 | 700 |
| S2 | P3 | J1 | 400 |
| S2 | P3 | J2 | 200 |
| S2 | P3 | J3 | 200 |
| S2 | P3 | J4 | 500 |
| S2 | P3 | J5 | 600 |
| S2 | P3 | J6 | 400 |
| S2 | P3 | J7 | 800 |
| S2 | P5 | J2 | 100 |
| S3 | P2 | J1 | 200 |
| S3 | P4 | J2 | 500 |
| S4 | P6 | J3 | 300 |
| S4 | P6 | J7 | 300 |
| S5 | P2 | J2 | 300 |
| S5 | P2 | J4 | 100 |
| S5 | P5 | J5 | 500 |
| S5 | P5 | J7 | 100 |
| S5 | P6 | J2 | 200 |
| S5 | P1 | J4 | 100 |
| S5 | P3 | J4 | 200 |
| S5 | P4 | J4 | 800 |
| S5 | P5 | J4 | 400 |
| S5 | P6 | J4 | 500 |
+---+---+---+---+
24 rows in set (0.02 sec)
```