

CREATE DATABASE spj;

```
mysql> CREATE DATABASE spj;
Query OK, 1 row affected (0.03 sec)
```

USE spj;

```
mysql> use spj;
Database changed
```

CREATE TABLE S (s# CHAR(5) NOT NULL, sname CHAR(20), status SMALLINT, city CHAR(15));

```
mysql> CREATE TABLE S (s# CHAR(5) NOT NULL, sname CHAR(20), status SMALLINT, city CHAR(15));
-> ^C
```

CREATE TABLE S (`s#` CHAR(5) NOT NULL, sname CHAR(20), status SMALLINT, city CHAR(15));

```
mysql> create table s(`s#` char(5) not null, sname char(20), status smallint, city char(15));
Query OK, 0 rows affected (0.09 sec)
```

INSERT INTO s (`s#`, sname, status, city) values ("s1", "Smith", 20, "London");

INSERT INTO s (`s#`, sname, status, city) values ("s2", "Jones", 10, "Paris");

INSERT INTO s (`s#`, sname, status, city) values ("s3", "Blake", 30, "Paris");

INSERT INTO s (`s#`, sname, status, city) values ("s4", "Clark", 20, "London");

INSERT INTO s (`s#`, sname, status, city) values ("s5", "Adams", 30, "Athens");

SELECT * FROM s;

```
mysql> SELECT * FROM s;
+---+-----+-----+-----+
| s# | sname | status | city  |
+---+-----+-----+-----+
| s1 | Smith |    20 | London |
| s2 | Jones |     10 | Paris  |
| s3 | Blake |    30 | Paris  |
| s4 | Clark |    20 | London |
| s5 | Adams |    30 | Athens |
+---+-----+-----+-----+
5 rows in set (0.01 sec)
```

CREATE TABLE p (`p#` CHAR(6) NOT NULL, pname CHAR(20), color CHAR(6), weight SMALLINT, city CHAR(15));

INSERT INTO p (`p#`, pname, color, weight, city) values ("p1", "Nut", "Red", 12, "London");

INSERT INTO p (`p#`, pname, color, weight, city) values ("p2", "Bolt", "Green", 17, "Paris");

INSERT INTO p (`p#`, pname, color, weight, city) values ("p3", "Screw", "Blue", 17, "Rome");

INSERT INTO p (`p#`, pname, color, weight, city) values ("p4", "Screw", "Red", 14, "London");

INSERT INTO p (`p#`, pname, color, weight, city) values ("p5", "cam", "Blue", 12, "Paris");

INSERT INTO p (`p#`, pname, color, weight, city) values ("p6", "cog", "Red", 19, "London");

SELECT * FROM p;

```

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 (0.11 sec)

```

```

CREATE TABLE j (`j#` CHAR(4) NOT NULL, jname CHAR(10), city CHAR(15));
INSERT INTO j(`j#` , jname, city) VALUES ("j1", "Sorter" , "Paris");
INSERT INTO j(`j#` , jname, city) VALUES ("j2", "Punch" , "Rome");
INSERT INTO j(`j#` , jname, city) VALUES ("j3", "Reader" , "Athens");
INSERT INTO j(`j#` , jname, city) VALUES ("j4", "Console" , "Athens");
INSERT INTO j(`j#` , jname, city) VALUES ("j5", "Collator" , "London");
INSERT INTO j(`j#` , jname, city) VALUES ("j6", "Terminal" , "Oslo");
INSERT INTO j(`j#` , jname, city) VALUES ("j7", "Tape" , "London");

```

```

mysql> SELECT * FROM j;
+----+-----+-----+
| j# | jname    | city   |
+----+-----+-----+
| j1 | Sorter   | Paris  |
| j2 | Punch    | Rome   |
| j3 | Reader   | Athens |
| j4 | Console  | Athens |
| j5 | Collator | London |
| j6 | Terminal | Oslo   |
| j7 | Tape     | London |
+----+-----+-----+
7 rows in set (0.05 sec)

```

```

CREATE TABLE sp (`s#` CHAR(4) NOT NULL, `p#` CHAR(4) NOT NULL, `j#` CHAR(4) NOT NULL,
QTY INT);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s1", "p1", "j4", 700);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s2", "p3", "j1", 400);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s2", "p3", "j2", 200);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s2", "p3", "j3", 200);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s2", "p3", "j4", 500);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s2", "p3", "j5", 600);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s2", "p3", "j6", 400);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s2", "p3", "j7", 800);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s2", "p5", "j2", 100);
INSERT INTO sp (`s#` , `p#` , `j#` , QTY) VALUES ("s3", "p3", "j1", 200);

```

```

INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s3", "p4", "j2", 500);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s4", "p6", "j3", 300);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s4", "p6", "j7", 300);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p2", "j2", 200);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p2", "j4", 100);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p5", "j5", 500);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p5", "j7", 100);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p6", "j2", 200);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p1", "j4", 100);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p3", "j4", 200);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p4", "j4", 800);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p5", "j4", 400);
INSERT INTO sp (`s#`, `p#`, `j#`, QTY) VALUES ("s5", "p6", "j4", 500);

```

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 p3 j1 200			
s3 p4 j2 500			
s4 p6 j3 300			
s4 p6 j7 300			
s5 p2 j2 200			
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 (0.01 sec)

