

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)

```

