```
mysql> 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    |       |
+--------+----------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

```
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 (0.00 sec)
```

```
mysql> desc p;
+--------+----------+------+-----+---------+-------+
| Field  | Type     | Null | Key | Default | Extra |
+--------+----------+------+-----+---------+-------+
| P#     | char(6)  | NO   |     | NULL    |       |
| Pname  | char(20) | YES  |     | NULL    |       |
| color  | char(6)  | YES  |     | NULL    |       |
| weight | smallint | YES  |     | NULL    |       |
| city   | char(15) | YES  |     | NULL    |       |
+--------+----------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

```
mysql> select* from p;
+----+-------+-------+--------+--------+
| P# | Pname | color | weight | city   |
+----+-------+-------+--------+--------+
| p1 | nut   | red   |     10 | london |
| p2 | bolt  | green |     17 | paris  |
| p3 | screw | blue  |     17 | rome   |
| p4 | screw | red   |     14 | london |
| p5 | cam   | blue  |     10 | paris  |
| p6 | cog   | red   |     19 | london |
+----+-------+-------+--------+--------+
6 rows in set (0.00 sec)
```

```
mysql> desc J;
+-------+----------+------+-----+---------+-------+
| Field | Type     | Null | Key | Default | Extra |
+-------+----------+------+-----+---------+-------+
| J#    | char(4)  | NO   |     | NULL    |       |
| Jname | char(10) | YES  |     | NULL    |       |
| city  | char(15) | YES  |     | NULL    |       |
+-------+----------+------+-----+---------+-------+
3 rows in set (0.00 sec)

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 (0.00 sec)
```

```
mysql> desc sp;
+-------+---------+------+-----+---------+-------+
| Field | Type    | Null | Key | Default | Extra |
+-------+---------+------+-----+---------+-------+
| S#    | char(4) | NO   |     | NULL    |       |
| P#    | char(4) | NO   |     | NULL    |       |
| J#    | char(4) | NO   |     | NULL    |       |
| QTY   | int     | YES  |     | NULL    |       |
+-------+---------+------+-----+---------+-------+
4 rows in set (0.00 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 | 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 |
+----+----+----+-----+
21 rows in set (0.00 sec)
```