

```

CREATE DATABASE spj;

USE spj;

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

Insert into S values('S1' , 'Smith' , 20 , 'London');

Insert into S values('S2' , 'Jones' , 10 , 'Paris');

Insert into S values('S3' , 'Blark' , 30 , 'Paris');

Insert into S values('S4' , 'Adams' , 30 , 'Athens');

```

S#	sname	status	city
S1	Smith	20	London
S2	Jones	10	Paris
S2	Blake	30	Paris
S4	Clark	20	London
S5	Adams	30	Athens

5 rows in set (0.00 sec)

```

Create table P(`P#` char(6) not null , pname char(20) , color char(6) , weight smallint , city char(15));

Insert into P values('P1' , 'Nut' , 'Red' , 12 , 'London');

Insert into P values('P2' , 'Bolt' , 'Green' , 17 , 'Paris');

Insert into P values('P3' , 'Screw' , 'Blue' , 17 , 'Rome');

Insert into P values('P1' , 'Screw' , 'Red' , 14 , 'London');

```

mysql> select * from P;					
P#	pname	color	weight	sity	
P1	Nut	Red	12	London	
P2	Bolt	Green	17	Paris	
P3	Screw	Blue	17	Rome	
P4	Screw	Red	14	London	

4 rows in set (0.00 sec)

```

create table J(`J#`char(4) not null , jname char(10) , city char(15));

insert into J values('J1','Sorter','Paris');

insert into J values('J2','Punch','Rome');

insert into J values('J3','Reader','Athens');

insert into J values('J4','Console','Athens');

insert into J values('J5','collator','London');

insert into J values('J6','Terminal','Oslo');

insert into J 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 (0.00 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','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’,‘P3’,‘J1’,200),
(‘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);

```
mysql> select * from sp;
+---+---+---+---+
| S# | P# | J# | QTY |
+---+---+---+---+
| S1 | P1 | J1 | 200 |
| S2 | P3 | J1 | 700 |
| S2 | P3 | J2 | 200 |
| S2 | P3 | J4 | 500 |
| S2 | P3 | J6 | 400 |
| 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 | P3 | J4 | 800 |
| S5 | P5 | J4 | 400 |
| S5 | P6 | J4 | 500 |
+---+---+---+---+
22 rows in set (0.00 sec)
```