

ASSIGNMENT 1

```
create database spj;
```

```
use spj;
```

```
create table S(`s#` char(5) not null,sname char(20),status smallint,city char(15));
```

```
desc s;
```

```
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 (0.03 sec)
```

```
insert into s values("s1","smith",20,"london");
```

```
insert into s values("s2","jones",10,"paris");
```

```
insert into s values("s3","blake",30,"paris");
```

```
insert into s values("s5","adams",30,"athens");
```

```
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)
```

```
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   |     | 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");
```

```
mysql> insert into p values("p2","bolt","green",17,"paris");
```

```
mysql> insert into p values("p3","screw","blue",17,"rome");
```

```
mysql> insert into p values("p4","screw","red",14,"london");
```

```
mysql> insert into p values("p5","cam","blue",12,"paris");
```

```
mysql> insert into p values("p6","cog","red",19,"london");
```

```
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)
```

```
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		NULL	
jname	char(10)	YES		NULL	
city	char(15)	YES		NULL	

```
3 rows in set (0.01 sec)
```

```
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);
```

```
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 (0.01 sec)
```

```
insert into sp values("s1","p1","j1",200);
insert into sp values("s1","p1","j4",700);
insert into sp values("s2","p3","j1",400);
insert into sp values("s2","p3","j2",200);
insert into sp values("s2","p3","j3",200);
insert into sp values("s2","p3","j4",500);
insert into sp values("s2","p3","j5",600);
insert into sp values("s2","p3","j6",400);
insert into sp values("s2","p3","j7",800);
insert into sp values("s2","p5","j2",100);
insert into sp values("s3","p3","j1",200);
insert into sp values("s3","p4","j2",500);
insert into sp values("s4","p6","j3",300);
insert into sp values("s4","p6","j7",300);
```

```
insert into sp values("s5","p2","j2",200);  
insert into sp values("s5","p2","j4",100);  
insert into sp values("s5","p5","j5",500);  
insert into sp values("s5","p5","j7",100);  
insert into sp values("s5","p6","j2",200);  
insert into sp values("s5","p1","j4",100);  
insert into sp values("s5","p3","j4",200);  
insert into sp values("s5","p4","j4",800);  
insert into sp values("s5","p5","j4",400);  
insert into sp 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 (0.00 sec)
```