--Creating databse

```
mysql> CREATE DATABASE spj;
Query OK, 1 row affected (0.01 sec)

mysql> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| spj                |
| sys                |
+--------------------+
5 rows in set (0.00 sec)

mysql> USE spj;
Database changed
```

--Create table S

```
mysql> CREATE TABLE S(
    -> `S#` CHAR(6) NOT NULL,
    -> Sname CHAR(20),
    -> Status SMALLINT,
    -> City CHAR(20)
    -> );
Query OK, 0 rows affected (0.03 sec)
```

--Insert values into Table S

```
mysql> INSERT INTO S VALUES
    -> ('S1','Smith',20,'London'),
    -> ('S2','Jones',10,'Paris'),
    -> ('S3','Blake',30,'Paris'),
    -> ('S4','Clark',20,'London'),
    -> ('S5','Adams',30,'Athens');
Query OK, 5 rows affected (0.01 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

--Create Table P

```
mysql> CREATE TABLE P(
    -> `P#` CHAR(6) NOT NULL,
    -> Pname CHAR(20),
    -> Color CHAR(6),
    -> Weight SMALLINT,
    -> City CHAR(15)
    -> );
Query OK, 0 rows affected (0.03 sec)
```

--Insert Values into P

```
mysql> INSERT INTO P VALUES
    -> ('P1','Nut','Red',12,'London'),
    -> ('P2','Bolt','Green',17,'Paris'),
    -> ('P3','Screw','Blue',17,'Rome'),
    -> ('P4','Screw','Red',14,'London')
    -> ;
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> INSERT INTO P VALUES
    -> ('P5','Cam','Blue',12,'Paris'),
    -> ('P6','Cog','Red',19,'london');
Query OK, 2 rows affected (0.01 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

--Create Table J

```
mysql> CREATE TABLE J(
    -> `J#` CHAR(4) NOT NULL,
    -> Jname CHAR(10),
    -> City CHAR(15)
    -> );
Query OK, 0 rows affected (0.02 sec)
```

--Inserting values into J

```
mysql> INSERT INTO J VALUES
    -> ('J1','Sorter','paris'),
    -> ('J2','Punch','Rome'),
    -> ('J3','Reader','Athens'),
    -> ('J4','Console','Athens'),
    -> ('J5','Collator','London'),
    -> ('J6','Terminal','Oslo'),
    -> ('J7','Tape','London');
Query OK, 7 rows affected (0.01 sec)
Records: 7  Duplicates: 0  Warnings: 0
```

-Create Table sp

```
mysql> CREATE TABLE sp(
    -> `S#` CHAR(4) NOT NULL,
    -> `P#` CHAR(4) NOT NULL,
    -> `J#` CHAR(4) NOT NULL,
    -> QTY INT);
Query OK, 0 rows affected (0.03 sec)
```

--Inserting values into sp

```
mysql> INSERT INTO sp 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','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);
Query OK, 24 rows affected (0.01 sec)
Records: 24  Duplicates: 0  Warnings: 0
```