

第4题

1.建表

```
1  ##建立S表
2  CREATE TABLE S (SNO char(2) UNIQUE, SNAME char(6), STATUS char(2), CITY
   char(4));
3  ##建立P表
4  CREATE TABLE P (PNO char(2) UNIQUE, PNAME char(6), COLOR char(2), WEIGHT INT);
5  ##建立J表
6  CREATE TABLE J (JNO char(2) UNIQUE, JNAME char(6), CITY char(4));
7  ##建立SPJ表
8  CREATE TABLE SPJ (SNO char(2), PNO char(2), JNO char(2), QTY INT);
```

2.查询

```
1  ##供应工程J1零件的供应商号码SNO
2  SELECT SNO FROM SPJ WHERE JNO='J1';
3  ##供应工程J1零件P1的供应商号码SNO
4  SELECT SNO FROM SPJ WHERE JNO='J1' AND PNO='P1';
5  ##供应工程J1零件为红色的供应商号码SNO
6  SELECT SNO FROM SPJ, P WHERE JNO='J1' AND SPJ.PNO=P.PNO AND COLOR='红';
7  ##没有使用天津供应商生产的红色零件的工程号JNO
8  SELECT JNO FROM SPJ WHERE JNO NOT IN (SELECT JNO FROM SPJ, P, S WHERE
   S.CITY='天津' AND COLOR='红' AND S.SNO=SPJ.SNO AND P.PNO=SPJ.PNO)
9  ##至少用了供应商S1提供的全部零件的工程号JNO
10 SELECT DISTINCT PNO FROM SPJ WHERE SNO='S1';
11 SELECT JNO FROM SPJ WHERE PNO='P1' AND JNO IN (SELECT JNO FROM SPJ WHERE
   PNO='P2');
```

第5题

```
1  ##(1)
2  SELECT SNAME, CITY FROM S;
3  ##(2)
4  SELECT PNAME, COLOR, WEIGHT FROM P;
5  ##(3)
6  SELECT DISTINCT JNO FROM SPJ WHERE SNO='S1';
7  ##(4)
8  SELECT PNAME, QTY FROM SPJ, P WHERE P.PNO=SPJ.PNO AND SPJ.JNO='J2';
9  ##(5)
10 SELECT PNO FROM SPJ, S WHERE S.SNO=SPJ.SNO AND CITY='上海';
11 ##(6)
12 SELECT JNAME FROM SPJ, S, J WHERE S.SNO=SPJ.SNO AND S.CITY='上海' AND
   J.JNO=SPJ.JNO;
13 ##(7)
14 SELECT DISTINCT JNO FROM SPJ WHERE JNO NOT IN (SELECT DISTINCT JNO FROM SPJ, S WHERE
   S.SNO=SPJ.SNO AND S.CITY='天津');
15 ##(8)
16 UPDATE P SET COLOR='蓝' WHERE COLOR='红';
```

```
17 ##(9)
18 UPDATE SPJ SET SNO='S3' WHERE SNO='S5' AND JNO='J4' AND PNO='P6';
19 ##(10)
20 DELETE FROM S WHERE SNO='S2';
21 DELETE FROM SPJ WHERE SNO='S2';
22 ##(11)
23 INSERT INTO SPJ VALUES('S2','J6','P4',200);
```