数据库第三次作业-习题3

——杨凌华18373528

T1、SQL的特点

1、综合统一

2、高度非过程化

3、面向集合的操作方式

4、以同一种语法结构提供两种使用方式

5、语言简洁，易学易用

T3、

```
(1)
SELECT *
FROM S
WHERE A = 10;
(2)
SELECT DISTINCT A, B
FROM S;
(3)
SELECT A, B, S.C, S.D, E, F
FROM S, T
WHERE S.C = T.C AND S.D = T.D;
(4)
SELECT A, B, S.C, S.D, T.C, T.D, E, F
FROM S, T
WHERE S.C = T.C;
(5)
SELECT A, B, S.C, S.D, T.C, T.D, E, F
FROM S, T
WHERE A < E;
(6)
SELECT S_.C, S_.D, T.C, T.D, E, F
FROM T, (SELECT DISTINCT C, D FROM S) AS S_;
```

T4、

```
S表:
S(SNO,SNAME,STATUS,CITY);
Create Table S
(SNO char(5) not null unique,
SNAME char(20) not null,
STATUS int,
CITY char(15),
Primary Key(SNO));

INSERT INTO S VALUES ('S1', '精益', 20, '天津');
INSERT INTO S VALUES ('S2', '盛锡', 10, '北京');
INSERT INTO S VALUES ('S3', '东方红', 30, '北京');
```

```sql
13  INSERT INTO S VALUES ('S4', '丰泰盛', 20, '天津');
14  INSERT INTO S VALUES ('S5', '为民', 30, '上海');

16  P表:
17  P(PNO,PNAME,COLOR,WEIGHT);
18  Create Table P
19  (PNO char(5) not null unique,
20  PNAME char(5) not null,
21  COLOR char(1) not null,
22  WEIGHT int,
23  Primary key(PNO));

25  INSERT INTO P VALUES ('P1', '螺母', '红', 12);
26  INSERT INTO P VALUES ('P2', '螺栓', '绿', 17);
27  INSERT INTO P VALUES ('P3', '螺丝刀', '蓝', 14);
28  INSERT INTO P VALUES ('P4', '螺丝刀', '红', 14);
29  INSERT INTO P VALUES ('P5', '凸轮', '蓝', 40);
30  INSERT INTO P VALUES ('P6', '齿轮', '红', 30);

32  J表:
33  J(JNO,JNAME,CITY);
34  Create Table J
35  (JNO char(5) not null unique,
36  JNAME char(10) not null,
37  CITY char(15),
38  Primary key(JNO));

40  INSERT INTO J VALUES ('J1', '三建', '北京');
41  INSERT INTO J VALUES ('J2', '一汽', '长春');
42  INSERT INTO J VALUES ('J3', '弹簧厂', '天津');
43  INSERT INTO J VALUES ('J4', '造船厂', '天津');
44  INSERT INTO J VALUES ('J5', '机车厂', '唐山');
45  INSERT INTO J VALUES ('J6', '无线电厂', '常州');
46  INSERT INTO J VALUES ('J7', '半导体厂', '南京');

48  SPJ表:
49  SPJ(SNO,PNO,JNO,QTY);
50  Create Table SPJ
51  (SNO char(5) not null,
52  PNO char(5) not null,
53  JNO char(5) not null,
54  QTY int,
55  Primary key(SNO, PNo, JNO),
56  Foreign key (SNO) references S (SNO),
57  Foreign key (PNO) references P (PNO),
58  Foreign key (JNO) references J (JNO));

60  INSERT INTO SPJ VALUES ('S1', 'P1', 'J1', 200);
61  INSERT INTO SPJ VALUES ('S1', 'P1', 'J3', 100);
62  INSERT INTO SPJ VALUES ('S1', 'P1', 'J4', 700);
63  INSERT INTO SPJ VALUES ('S1', 'P2', 'J2', 100);
64  INSERT INTO SPJ VALUES ('S2', 'P3', 'J1', 400);
65  INSERT INTO SPJ VALUES ('S2', 'P3', 'J2', 200);
66  INSERT INTO SPJ VALUES ('S2', 'P3', 'J4', 500);
67  INSERT INTO SPJ VALUES ('S2', 'P3', 'J5', 400);
68  INSERT INTO SPJ VALUES ('S2', 'P5', 'J1', 400);
69  INSERT INTO SPJ VALUES ('S2', 'P5', 'J2', 100);
70  INSERT INTO SPJ VALUES ('S3', 'P1', 'J1', 200);
```

```
71  INSERT INTO SPJ VALUES ('S3', 'P3', 'J1', 200);
72  INSERT INTO SPJ VALUES ('S4', 'P5', 'J1', 100);
73  INSERT INTO SPJ VALUES ('S4', 'P6', 'J3', 300);
74  INSERT INTO SPJ VALUES ('S4', 'P6', 'J4', 200);
75  INSERT INTO SPJ VALUES ('S5', 'P2', 'J4', 100);
76  INSERT INTO SPJ VALUES ('S5', 'P3', 'J1', 200);
77  INSERT INTO SPJ VALUES ('S5', 'P6', 'J2', 200);
78  INSERT INTO SPJ VALUES ('S5', 'P6', 'J4', 500);
79
80  查询:
81  (1) SELECT DISTINCT SNO FROM SPJ WHERE JNO = 'J1';
82  (2) SELECT DISTINCT SNO FROM SPJ WHERE JNO = 'J1' AND PNO = 'P1';
83  (3) SELECT DISTINCT SNO FROM SPJ, P WHERE JNO = 'J1' AND SPJ.PNO = P.PNO
    AND P.COLOR = '红';
84  (4) SELECT DISTINCT JNO FROM SPJ WHERE
85      SPJ.SNO NOT IN (SELECT SNO FROM S WHERE CITY = '天津') AND
86      SPJ.PNO NOT IN (SELECT PNO FROM P WHERE COLOR = '红');
87  (5)
88  SELECT DISTINCT JNO FROM SPJ X
89    WHERE NOT EXISTS
90      (SELECT * FROM SPJ Y
91        WHERE Y.SNO = 'S1' AND NOT EXISTS
92          (SELECT * FROM SPJ Z
93            WHERE Z.PNO = Y.PNO
94              AND Z.JNO = X.JNO));
```

T5

(1)

```
1  SELECT SNAME, CITY FROM S;
```


SNAME	CITY
精益	天津
盛锡	北京
东方红	北京
丰泰盛	天津
为民	上海

(2)

```
1  SELECT PNAME, COLOR, WEIGHT FROM P;
```

```
13
14  Create Table P
15  (PNO char(5) not null unique,
16  PNAME char(5) not null,
17  COLOR char(1) not null,
18  WEIGHT int,
19  Primary key(PNO));
20
21  INSERT INTO P VALUES ('P1', '螺母', '红', 12);
22  INSERT INTO P VALUES ('P2', '螺栓', '绿', 17);
23  INSERT INTO P VALUES ('P3', '螺丝刀', '蓝', 14);
24  INSERT INTO P VALUES ('P4', '螺丝刀', '红', 14);
25  INSERT INTO P VALUES ('P5', '凸轮', '蓝', 40);
26  INSERT INTO P VALUES ('P6', '齿轮', '红', 30);
27
28  Create Table J
29  (JNO char(5) not null unique,
```

```
1  SELECT PNAME, COLOR, WEIGHT FROM P;
```

Build Schema ⬇   Edit Fullscreen ⟋   Browser ⊞   [;] ▾   Run SQL ▶ ⌄   Edit Fullscreen ⟋   [;] ▾

PNAME	COLOR	WEIGHT
螺母	红	12
螺栓	绿	17
螺丝刀	蓝	14
螺丝刀	红	14
凸轮	蓝	40
齿轮	红	30

(3)

```
1  SELECT JNO FROM SPJ WHERE SNO = 'S1';
```

```
52  INSERT INTO SPJ VALUES ('S1', 'P1', 'J1', 200);
53  INSERT INTO SPJ VALUES ('S1', 'P1', 'J3', 100);
54  INSERT INTO SPJ VALUES ('S1', 'P1', 'J4', 700);
55  INSERT INTO SPJ VALUES ('S1', 'P2', 'J2', 100);
56  INSERT INTO SPJ VALUES ('S2', 'P3', 'J1', 400);
57  INSERT INTO SPJ VALUES ('S2', 'P3', 'J2', 200);
58  INSERT INTO SPJ VALUES ('S2', 'P3', 'J4', 500);
59  INSERT INTO SPJ VALUES ('S2', 'P3', 'J5', 400);
60  INSERT INTO SPJ VALUES ('S2', 'P5', 'J1', 400);
61  INSERT INTO SPJ VALUES ('S2', 'P5', 'J2', 100);
62  INSERT INTO SPJ VALUES ('S3', 'P1', 'J1', 200);
63  INSERT INTO SPJ VALUES ('S3', 'P3', 'J1', 200);
64  INSERT INTO SPJ VALUES ('S4', 'P5', 'J1', 100);
65  INSERT INTO SPJ VALUES ('S4', 'P6', 'J3', 300);
66  INSERT INTO SPJ VALUES ('S4', 'P6', 'J4', 200);
67  INSERT INTO SPJ VALUES ('S5', 'P2', 'J4', 100);
68  INSERT INTO SPJ VALUES ('S5', 'P3', 'J1', 200);
```

```
1  SELECT JNO FROM SPJ WHERE SNO = 'S1';
```

Build Schema ⬇   Edit Fullscreen ⟋   Browser ⊞   [;] ▾   Run SQL ▶ ⌄   Edit Fullscreen ⟋   [;] ▾

JNO
J1
J3
J4
J2

(4)

```
1  SELECT PNAME, QTY FROM SPJ, P WHERE P.PNO = SPJ.PNO AND SPJ.JNO = 'J2';
```

```
53  INSERT INTO SPJ VALUES ('S1', 'P1', 'J3', 100);
54  INSERT INTO SPJ VALUES ('S1', 'P1', 'J4', 700);
55  INSERT INTO SPJ VALUES ('S1', 'P2', 'J2', 100);
56  INSERT INTO SPJ VALUES ('S2', 'P3', 'J1', 400);
57  INSERT INTO SPJ VALUES ('S2', 'P3', 'J2', 200);
58  INSERT INTO SPJ VALUES ('S2', 'P3', 'J4', 500);
59  INSERT INTO SPJ VALUES ('S2', 'P3', 'J5', 400);
60  INSERT INTO SPJ VALUES ('S2', 'P5', 'J1', 400);
61  INSERT INTO SPJ VALUES ('S2', 'P5', 'J2', 100);
62  INSERT INTO SPJ VALUES ('S3', 'P1', 'J1', 200);
63  INSERT INTO SPJ VALUES ('S3', 'P3', 'J1', 200);
64  INSERT INTO SPJ VALUES ('S4', 'P5', 'J1', 100);
65  INSERT INTO SPJ VALUES ('S4', 'P6', 'J3', 300);
66  INSERT INTO SPJ VALUES ('S4', 'P6', 'J4', 200);
67  INSERT INTO SPJ VALUES ('S5', 'P2', 'J4', 100);
68  INSERT INTO SPJ VALUES ('S5', 'P3', 'J1', 200);
```

```
1  SELECT PNAME, QTY FROM SPJ, P WHERE P.PNO = SPJ.PNO AND SPJ.JNO = 'J2';
```

PNAME	QTY
螺栓	100
螺丝刀	200
凸轮	100
齿轮	200

(5)

```
1  SELECT DISTINCT PNO FROM SPJ, S WHERE S.CITY = '上海' AND S.SNO = SPJ.SNO;
```

```
55  INSERT INTO SPJ VALUES ('S1', 'P2', 'J2', 100);
56  INSERT INTO SPJ VALUES ('S2', 'P3', 'J1', 400);
57  INSERT INTO SPJ VALUES ('S2', 'P3', 'J2', 200);
58  INSERT INTO SPJ VALUES ('S2', 'P3', 'J4', 500);
59  INSERT INTO SPJ VALUES ('S2', 'P3', 'J5', 400);
60  INSERT INTO SPJ VALUES ('S2', 'P5', 'J1', 400);
61  INSERT INTO SPJ VALUES ('S2', 'P5', 'J2', 100);
62  INSERT INTO SPJ VALUES ('S3', 'P1', 'J1', 200);
63  INSERT INTO SPJ VALUES ('S3', 'P3', 'J1', 200);
64  INSERT INTO SPJ VALUES ('S4', 'P5', 'J1', 100);
65  INSERT INTO SPJ VALUES ('S4', 'P6', 'J3', 300);
66  INSERT INTO SPJ VALUES ('S4', 'P6', 'J4', 200);
67  INSERT INTO SPJ VALUES ('S5', 'P2', 'J4', 100);
68  INSERT INTO SPJ VALUES ('S5', 'P3', 'J1', 200);
69  INSERT INTO SPJ VALUES ('S5', 'P6', 'J2', 200);
70  INSERT INTO SPJ VALUES ('S5', 'P6', 'J4', 500);
71
```

```
1  SELECT DISTINCT PNO FROM SPJ, S WHERE S.CITY = '上海' AND S.SNO = SPJ.SNO;
```

PNO
P2
P3
P6

(6)

```
1  SELECT DISTINCT JNAME FROM SPJ, S, J
2  WHERE J.JNO = SPJ.JNO AND S.CITY = '上海' AND S.SNO = SPJ.SNO;
```

```
28  create Table J
29  (JNO char(5) not null unique,
30  JNAME char(10) not null,
31  CITY char(15),
32  Primary key(JNO));
33
34  INSERT INTO J VALUES ('J1', '三建', '北京');
35  INSERT INTO J VALUES ('J2', '一汽', '长春');
36  INSERT INTO J VALUES ('J3', '弹簧厂', '天津');
37  INSERT INTO J VALUES ('J4', '造船厂', '天津');
38  INSERT INTO J VALUES ('J5', '机车厂', '唐山');
39  INSERT INTO J VALUES ('J6', '无线电厂', '常州');
40  INSERT INTO J VALUES ('J7', '半导体厂', '南京');
41
42  Create Table SPJ
43  (SNO char(5) not null,
44  PNO char(5) not null,
```

```
1  SELECT DISTINCT JNAME FROM SPJ, S, J
2  WHERE J.JNO = SPJ.JNO AND S.CITY = '上海' AND S.SNO = SPJ.SNO;
```

JNAME
造船厂
三建
一汽

(7)

```sql
SELECT DISTINCT JNO FROM SPJ, S WHERE S.CITY != '天津' AND S.SNO = SPJ.SNO;
```


JNO
J1
J2
J4
J5

(8)

```sql
UPDATE P SET COLOR = '蓝' WHERE COLOR = '红';
```

修改前：

PNO	PNAME	COLOR	WEIGHT
P1	螺母	红	12
P2	螺栓	绿	17
P3	螺丝刀	蓝	14
P4	螺丝刀	红	14
P5	凸轮	蓝	40
P6	齿轮	红	30

修改后：

```
57 INSERT INTO SPJ VALUES ('S2', 'P3', 'J2', 200);
58 INSERT INTO SPJ VALUES ('S2', 'P3', 'J4', 500);
59 INSERT INTO SPJ VALUES ('S2', 'P3', 'J5', 400);
60 INSERT INTO SPJ VALUES ('S2', 'P5', 'J1', 400);
61 INSERT INTO SPJ VALUES ('S2', 'P5', 'J2', 100);
62 INSERT INTO SPJ VALUES ('S3', 'P1', 'J1', 200);
63 INSERT INTO SPJ VALUES ('S3', 'P3', 'J1', 200);
64 INSERT INTO SPJ VALUES ('S4', 'P5', 'J1', 100);
65 INSERT INTO SPJ VALUES ('S4', 'P6', 'J3', 300);
66 INSERT INTO SPJ VALUES ('S4', 'P6', 'J4', 200);
67 INSERT INTO SPJ VALUES ('S5', 'P2', 'J4', 100);
68 INSERT INTO SPJ VALUES ('S5', 'P3', 'J1', 200);
69 INSERT INTO SPJ VALUES ('S5', 'P6', 'J2', 200);
70 INSERT INTO SPJ VALUES ('S5', 'P6', 'J4', 500);
71
72
73 UPDATE P SET COLOR = '蓝' WHERE COLOR = '红';
```

```
1 SELECT * FROM P;
```

PNO	PNAME	COLOR	WEIGHT
P1	螺母	蓝	12
P2	螺栓	绿	17
P3	螺丝刀	蓝	14
P4	螺丝刀	蓝	14
P5	凸轮	蓝	40
P6	齿轮	蓝	30

(9)

```
1 UPDATE SPJ SET SNO = 'S3' WHERE SNO = 'S5' AND PNO = 'P6' AND JNO = 'J4';
```

修改前：

SNO	PNO	JNO	QTY
S1	P1	J1	200
S1	P1	J3	100
S1	P1	J4	700
S1	P2	J2	100
S2	P3	J1	400
S2	P3	J2	200
S2	P3	J4	500
S2	P3	J5	400
S2	P5	J1	400
S2	P5	J2	100
S3	P1	J1	200
S3	P3	J1	200
S4	P5	J1	100
S4	P6	J3	300
S4	P6	J4	200
S5	P2	J4	100
S5	P3	J1	200
S5	P6	J2	200
S5	P6	J4	500

修改后：

SNO	PNO	JNO	QTY
S1	P1	J1	200
S1	P1	J3	100
S1	P1	J4	700
S1	P2	J2	100
S2	P3	J1	400
S2	P3	J2	200
S2	P3	J4	500
S2	P3	J5	400
S2	P5	J1	400
S2	P5	J2	100
S3	P1	J1	200
S3	P3	J1	200
S3	P6	J4	500
S4	P5	J1	100
S4	P6	J3	300
S4	P6	J4	200
S5	P2	J4	100
S5	P3	J1	200
S5	P6	J2	200

(10)

```
1  DELETE FROM SPJ WHERE SNO = 'S2';
2  DELETE FROM S WHERE SNO = 'S2';
```

修改前：

SNO	SNAME	STATUS	CITY
S1	精益	20	天津
S2	盛锡	10	北京
S3	东方红	30	北京
S4	丰泰盛	20	天津
S5	为民	30	上海

✔ Record Count: 5; Execution Time: 7ms   + View Execution Plan   → link

SNO	PNO	JNO	QTY
S1	P1	J1	200
S1	P1	J3	100
S1	P1	J4	700
S1	P2	J2	100
S2	P3	J1	400
S2	P3	J2	200
S2	P3	J4	500
S2	P3	J5	400
S2	P5	J1	400
S2	P5	J2	100
S3	P1	J1	200
S3	P3	J1	200
S4	P5	J1	100
S4	P6	J3	300
S4	P6	J4	200
S5	P2	J4	100
S5	P3	J1	200
S5	P6	J2	200
S5	P6	J4	500

修改后：

SNO	SNAME	STATUS	CITY
S1	精益	20	天津
S3	东方红	30	北京
S4	丰泰盛	20	天津
S5	为民	30	上海

Record Count: 4; Execution Time: 8ms　+ View Execution Plan　→ link

SNO	PNO	JNO	QTY
S1	P1	J1	200
S1	P1	J3	100
S1	P1	J4	700
S1	P2	J2	100
S3	P1	J1	200
S3	P3	J1	200
S4	P5	J1	100
S4	P6	J3	300
S4	P6	J4	200
S5	P2	J4	100
S5	P3	J1	200
S5	P6	J2	200
S5	P6	J4	500

(11)

```sql
INSERT INTO SPJ VALUES ('S2', 'P4', 'J6', 200);
```

修改前：

SNO	PNO	JNO	QTY
S1	P1	J1	200
S1	P1	J3	100
S1	P1	J4	700
S1	P2	J2	100
S2	P3	J1	400
S2	P3	J2	200
S2	P3	J4	500
S2	P3	J5	400
S2	P5	J1	400
S2	P5	J2	100
S3	P1	J1	200
S3	P3	J1	200
S4	P5	J1	100
S4	P6	J3	300
S4	P6	J4	200
S5	P2	J4	100
S5	P3	J1	200
S5	P6	J2	200
S5	P6	J4	500

修改后：

```
74  INSERT INTO SPJ VALUES ('S2', 'P4', 'J6', 200);
```

Build Schema ⬇ Edit Fullscreen ↗ Browser ⊞ [;]▾   Run SQL ▶ ▾ Edit Fullscreen ↗ [;]▾

SNO	PNO	JNO	QTY
S1	P1	J1	200
S1	P1	J3	100
S1	P1	J4	700
S1	P2	J2	100
S2	P3	J1	400
S2	P3	J2	200
S2	P3	J4	500
S2	P3	J5	400
S2	P4	J6	200
S2	P5	J1	400
S2	P5	J2	100
S3	P1	J1	200
S3	P3	J1	200
S4	P5	J1	100
S4	P6	J3	300
S4	P6	J4	200
S5	P2	J4	100
S5	P3	J1	200
S5	P6	J2	200
S5	P6	J4	500

T6

基本表：实际存在的，每个表在存储中可用一个存储文件来表示。

视图：从基本表导出的表，是一个虚表，不实际存储在数据库中，只在数据库的数据字典中存储视图的定义。

区别：基本表能用存储文件来表示，有实际的存储空间；视图不实际存储在数据库中。

联系：视图是由基本表导出的，是基本表的某一个视角，某一个部分。

T9

建立视图：

```
1  CREATE VIEW SanJian AS SELECT SNO, PNO, QTY FROM SPJ, J WHERE J.JNO = SPJ.JNO
     AND J.JNAME = '三建';
```

```
73  CREATE VIEW SanJian AS
74  SELECT SNO, PNO, QTY FROM SPJ, J WHERE J.JNO = SPJ.JNO AND J.JNAME = '三建';
```

Build Schema ⬇ Edit Fullscreen ↗ Browser ⊞ [;]▾   Run SQL ▶ ▾ Edit Fullscreen ↗ [;]▾

SNO	PNO	QTY
S1	P1	200
S2	P3	400
S2	P5	400
S3	P1	200
S3	P3	200
S4	P5	100
S5	P3	200

(1)

```
1  SELECT PNO, QTY FROM SanJian;
```

```
56 INSERT INTO SPJ VALUES ('S2', 'P3', 'J1', 400);
57 INSERT INTO SPJ VALUES ('S2', 'P3', 'J2', 200);
58 INSERT INTO SPJ VALUES ('S2', 'P3', 'J4', 500);
59 INSERT INTO SPJ VALUES ('S2', 'P3', 'J5', 400);
60 INSERT INTO SPJ VALUES ('S2', 'P5', 'J1', 400);
61 INSERT INTO SPJ VALUES ('S2', 'P5', 'J2', 100);
62 INSERT INTO SPJ VALUES ('S3', 'P1', 'J1', 200);
63 INSERT INTO SPJ VALUES ('S3', 'P3', 'J1', 200);
64 INSERT INTO SPJ VALUES ('S4', 'P5', 'J1', 100);
65 INSERT INTO SPJ VALUES ('S4', 'P6', 'J3', 300);
66 INSERT INTO SPJ VALUES ('S4', 'P6', 'J4', 200);
67 INSERT INTO SPJ VALUES ('S5', 'P2', 'J4', 100);
68 INSERT INTO SPJ VALUES ('S5', 'P3', 'J1', 200);
69 INSERT INTO SPJ VALUES ('S5', 'P6', 'J2', 200);
70 INSERT INTO SPJ VALUES ('S5', 'P6', 'J4', 500);
71
72
73 CREATE VIEW SanJian AS
74 SELECT SNO, PNO, QTY FROM SPJ, J WHERE J.JNO = SPJ.JNO AND J.JNAME = '三建';
```

```
1 SELECT PNO, QTY FROM SanJian;
```

Build Schema | Edit Fullscreen | Browser | [;]

Run SQL ► | Edit Fullscreen | [;]

PNO	QTY
P1	200
P3	400
P5	400
P1	200
P3	200
P5	100
P3	200

(2)

```
1 SELECT PNO, QTY FROM Sanjian WHERE SNO = 'S1';
```

```
56 INSERT INTO SPJ VALUES ('S2', 'P3', 'J1', 400);
57 INSERT INTO SPJ VALUES ('S2', 'P3', 'J2', 200);
58 INSERT INTO SPJ VALUES ('S2', 'P3', 'J4', 500);
59 INSERT INTO SPJ VALUES ('S2', 'P3', 'J5', 400);
60 INSERT INTO SPJ VALUES ('S2', 'P5', 'J1', 400);
61 INSERT INTO SPJ VALUES ('S2', 'P5', 'J2', 100);
62 INSERT INTO SPJ VALUES ('S3', 'P1', 'J1', 200);
63 INSERT INTO SPJ VALUES ('S3', 'P3', 'J1', 200);
64 INSERT INTO SPJ VALUES ('S4', 'P5', 'J1', 100);
65 INSERT INTO SPJ VALUES ('S4', 'P6', 'J3', 300);
66 INSERT INTO SPJ VALUES ('S4', 'P6', 'J4', 200);
67 INSERT INTO SPJ VALUES ('S5', 'P2', 'J4', 100);
68 INSERT INTO SPJ VALUES ('S5', 'P3', 'J1', 200);
69 INSERT INTO SPJ VALUES ('S5', 'P6', 'J2', 200);
70 INSERT INTO SPJ VALUES ('S5', 'P6', 'J4', 500);
71
72
73 CREATE VIEW SanJian AS
74 SELECT SNO, PNO, QTY FROM SPJ, J WHERE J.JNO = SPJ.JNO AND J.JNAME = '三建';
```

```
1 SELECT PNO, QTY FROM Sanjian WHERE SNO = 'S1';
```

Build Schema | Edit Fullscreen | Browser | [;]

Run SQL ► | Edit Fullscreen | [;]

PNO	QTY
P1	200