第三章课后习题

2-6

(1)

SELECT DISTINCT SNO

FROM SPJ

WHERE JNO='J1'

SELECT \* FROM SPJ

(2)

SELECT DISTINCT SNO

FROM SPJ

WHERE PNO='P1'AND JNO='J1'

SELECT \* FROM SPJ

(3)

SELECT DISTINCT SNO

FROM P,SPJ

WHERE P.PNO =SPJ.PNO AND

COLOR='红' AND JNO='J1'

SELECT \*

FROM P,SPJ

WHERE P.PNO=SPJ.PNO

(4)

SELECT DISTINCT SPJ.JNO

FROM P,J,SPJ

WHERE P.PNO=SPJ.PNO AND J.JNO=SPJ.JNO AND

COLOR='红' AND (CITY='北京' OR CITY='长春' OR CITY='唐山' OR CITY='常州' OR CITY='南京')

SELECT COLOR,CITY,SPJ.JNO

FROM P,J,SPJ

WHERE P.PNO=SPJ.PNO AND J.JNO=SPJ.JNO

(5)

SELECT DISTINCT JNO

FROM SPJ

WHERE SNO='S1'

SELECT \* FROM SPJ

3-3

(1)

SELECT \*

FROM S

WHERE A = 10

(2)

SELECT A,B

FROM S

(3)

SELECT S.\*,T.\*

FROM S,T

WHERE S.C=T.C AND S.D=T.D

(4)

SELECT S.\*,T.\*

FROM S,T

WHERE S.C=T.C

(5)

SELECT S.\*,T.\*

FROM S,T

WHERE S.A<T.E

(6)

SELECT S.C,S.D,T

FROM S,T

3-4

DROP TABLE IF EXISTS S

DROP TABLE IF EXISTS P

DROP TABLE IF EXISTS J

DROP TABLE IF EXISTS SPJ

CREATE TABLE S

(

SNO VARCHAR(9) PRIMARY KEY,

SNAME VARCHAR(20) NOT NULL,

STATUS INT NOT NULL,

CITY VARCHAR(20) NOT NULL

);

CREATE TABLE P

(

PNO VARCHAR(9) PRIMARY KEY,

PNAME VARCHAR(20) NOT NULL,

COLOR VARCHAR(8) NOT NULL,

WEIGHT INT NOT NULL

);

CREATE TABLE J

(

JNO VARCHAR(9) PRIMARY KEY,

JNAME VARCHAR(20) NOT NULL,

CITY VARCHAR(20) NOT NULL

);

CREATE TABLE SPJ

(

SNO VARCHAR(9) NOT NULL,

PNO VARCHAR(9) NOT NULL,

JNO VARCHAR(9) NOT NULL,

QTY INT NOT NULL

);

INSERT INTO S(SNO,SNAME,STATUS,CITY) VALUES ('S1','精益','20','天津');

INSERT INTO S(SNO,SNAME,STATUS,CITY) VALUES ('S2','盛锡','10','北京');

INSERT INTO S(SNO,SNAME,STATUS,CITY) VALUES ('S3','东方红','30','北京');

INSERT INTO S(SNO,SNAME,STATUS,CITY) VALUES ('S4','丰泰盛','20','天津');

INSERT INTO S(SNO,SNAME,STATUS,CITY) VALUES ('S5','为民','30','上海');

SELECT \* FROM S

INSERT INTO P(PNO,PNAME,COLOR,WEIGHT) VALUES ('P1','螺母','红','12');

INSERT INTO P(PNO,PNAME,COLOR,WEIGHT) VALUES ('P2','螺栓','绿','17');

INSERT INTO P(PNO,PNAME,COLOR,WEIGHT) VALUES ('P3','螺丝刀','蓝','14');

INSERT INTO P(PNO,PNAME,COLOR,WEIGHT) VALUES ('P4','螺丝刀','红','14');

INSERT INTO P(PNO,PNAME,COLOR,WEIGHT) VALUES ('P5','凸轮','蓝','40');

INSERT INTO P(PNO,PNAME,COLOR,WEIGHT) VALUES ('P6','齿轮','红','30');

SELECT \* FROM P

INSERT INTO J(JNO,JNAME,CITY) VALUES ('J1','三建','北京');

INSERT INTO J(JNO,JNAME,CITY) VALUES ('J2','一汽','长春');

INSERT INTO J(JNO,JNAME,CITY) VALUES ('J3','弹簧厂','天津');

INSERT INTO J(JNO,JNAME,CITY) VALUES ('J4','造船厂','天津');

INSERT INTO J(JNO,JNAME,CITY) VALUES ('J5','机车厂','唐山');

INSERT INTO J(JNO,JNAME,CITY) VALUES ('J6','无线电厂','常州');

INSERT INTO J(JNO,JNAME,CITY) VALUES ('J7','半导体厂','南京');

SELECT \* FROM J

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S1','P1','J1','200');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S1','P1','J3','100');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S1','P1','J4','700');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S1','P2','J2','100');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S2','P3','J1','400');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S2','P3','J2','200');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S2','P3','J4','500');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S2','P3','J5','400');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S2','P5','J1','400');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S2','P5','J2','100');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S3','P1','J1','200');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S3','P3','J1','200');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S4','P5','J1','100');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S4','P6','J3','300');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S4','P6','J4','200');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S5','P2','J4','100');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S5','P3','J1','200');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S5','P6','J2','200');

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S5','P6','J4','500');

SELECT \* FROM SPJ

3-5

(1)

SELECT SNAME,CITY

FROM S

SELECT \*

FROM S

(2)

SELECT PNAME,COLOR,WEIGHT

FROM P

SELECT \*

FROM P

(3)

SELECT DISTINCT JNO

FROM SPJ

WHERE SNO='S1'

SELECT \*

FROM SPJ

(4)

SELECT PNAME,QTY

FROM P,SPJ

WHERE P.PNO=SPJ.PNO AND JNO='J2'

SELECT P.PNO,JNO,PNAME,QTY

FROM P,SPJ

WHERE P.PNO=SPJ.PNO

(5)

SELECT DISTINCT PNO

FROM S,SPJ

WHERE S.SNO=SPJ.SNO AND CITY='上海'

SELECT CITY,PNO

FROM S,SPJ

WHERE S.SNO=SPJ.SNO

(6)

SELECT DISTINCT JNAME

FROM S,P,J,SPJ

WHERE P.PNO=SPJ.PNO AND J.JNO=SPJ.JNO AND S.SNO=SPJ.SNO AND

S.CITY='上海'

SELECT S.CITY,JNAME

FROM S,P,J,SPJ

WHERE P.PNO=SPJ.PNO AND J.JNO=SPJ.JNO AND S.SNO=SPJ.SNO

(7)

SELECT DISTINCT JNAME

FROM S,P,J,SPJ

WHERE P.PNO=SPJ.PNO AND J.JNO=SPJ.JNO AND S.SNO=SPJ.SNO AND

(S.CITY='上海'OR S.CITY='北京')

SELECT S.CITY,JNAME

FROM S,P,J,SPJ

WHERE P.PNO=SPJ.PNO AND J.JNO=SPJ.JNO AND S.SNO=SPJ.SNO

(8)

UPDATE P

SET COLOR ='蓝'

WHERE COLOR='红'

SELECT \*

FROM P

(9)

UPDATE SPJ

SET SNO ='S3'

WHERE SNO='S5' AND JNO='J4' AND PNO='P6'

SELECT \*

FROM SPJ

(10)

DELETE

FROM S

WHERE SNO='S2';

DELETE

FROM SPJ

WHERE SNO='S2';

SELECT \* FROM S

SELECT \* FROM SPJ

(11)

INSERT INTO SPJ(SNO,PNO,JNO,QTY) VALUES('S2','P4','J6','200');

SELECT \* FROM SPJ

第四章课后题

4-6

Student(Sno,Sname,Sage,Ssex,Saddress,Cno)

Class(Cno,Cname,Cteacher,Cmonitor)

(1)

GRANT ALL PRIVILEGES

ON TABLE Student，Class

TO U1

WITH GRANT OPTION;

(2)

GRANT SELECT,UPDATE(Saddress)

ON TABLE Student

TO U2;

(3)

GRANT SELECT

ON TABLE Class

TO PUBLIC;

(4)

GRANT SELECT,UPDATE

ON TABLE Student

TO R1;

(5)

GRANT R1

TO U1

WITH ADMIN OPTION;

4-7

Staff(Sno,Sname,Sage,Sjob,Ssalary,Dno)

Depart(Dno,Dname,Dmanager,Daddress,Dtel)

(1)

GRANT SELECT

ON TABLE Staff,Depart

TO Wangming;

(2)

GRANT INSERT,DELETE

ON TABLE Staff,Depart

TO Liyong;

(3)

GRANT SELECT

ON TABLE Staff

(4)

GRANT SELECT,UPDATE(Ssalary)

ON TABLE Staff

TO Liuxing;

(5)

GRANT UPDATE

ON Staff,Depart

TO Zhangxin;

(6)

GRANT ALL PRIVILEGES

ON Staff,Depart

TO Zhouping

WITH GRANT OPTION;

(7)

GRANT SELECT(Ssalary)

ON TABLE Staff

TO Yanglan;

4-8

(1)

REVOKE SELECT

ON TABLE Staff,Depart

FROM Wangming;

(2)

REVOKE INSERT,DELETE

ON TABLE Staff,Depart

FROM Liyong;

(3)

REVOKE SELECT

ON TABLE Staff

(4)

REVOKE SELECT,UPDATE(Ssalary)

ON TABLE Staff

FROM Liuxing;

(5)

REVOKE UPDATE

ON Staff,Depart

FROM Zhangxin;

(6)

REVOKE ALL PRIVILEGES

ON Staff,Depart

FROM Zhouping CASCADE;

(7)

REVOKE SELECT(Ssalary)

ON TABLE Staff

FROM Yanglan;

第五章课后题

5-6

Staff(Sno,Sname,Sage,Sjob,Ssalary,Dno)

Depart(Dno,Dname,Dmanager,Dtel)

CREATE TABLE Staff

(Sno CHAR(11) PRIMARY KEY,

Sname CHAR(20) NOT NULL,

Sage INT CHECK (Sage>=0 AND SageA<=60),

Sjob CHAR(20),

Ssalary INT,

Dno CHAR(11) NOT NULL,

FOREIGN KEY (Dno)REFERENCES Depart(Dno)

);

CREATE TABLE Depart

(Dno CHAR(11) PRIMARY KEY,

Dname CHAR(20) NOT NULL,

Dmanager CHAR(20),

Dtel CHAR(11)

);

5-8

Male(Mno,Mname)

Female(Fno,Fname)

CREATE TABLE Male

(Mno CHAR(11) PRIMARY KEY,

Mname CHAR(20)

);

CREATE TABLE Female

(Fno CHAR(11) PRIMARY KEY,

Fname CHAR(20)

);

CREATE ASSERTION ASSE\_Male\_Female\_NUM

CHECK(50>=(SELECT count(\*)

FROM Male,Female)

);