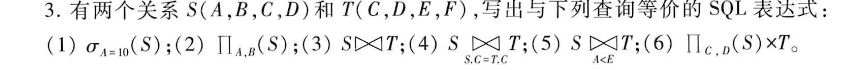
## 《数据库原理》作业2

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| --- | --- | --- | --- |
| 班级 | 姓名 | 学号 | 日期 |
| 计算2114 | 庄佳强 | 202121331104 | 2023.4.1 |

答:

(1) SELECT \* FROM S WHERE A= 10

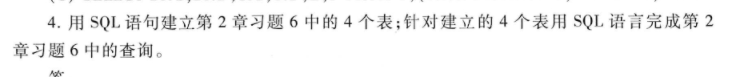
(2) SELECT DISTINCT A,B FROM S

(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 S1.C,S1.D ,T.C,T.D,E,F FROM T,( select DISTINCT C,D FROM S) AS S1



答:

建S表:

S(SNO, SNAME, STATUS, CITY);

CREATE TABLE S

(SNO CHAR(3),

SNAME CHAR(10),

STATUS CHAR(2),

CITY CHAR(10));

建P表:

P(PNO ,PNAME , COLOR,WEIGHT);

CREATE TABLE P

(PNO CHAR(3),

PNAME CHAR( 10),

COLOR CHAR(4),

WEIGHT INT);

建J表:

J(JN0 ,JNAME,CITY);

CREATE TABLE J

(JNO CHAR(3),

JNAME CHAR( 10),

CITY CHAR(10) );

建SPJ表:

SPJ( SNO, PNO,JNO,QTY);

CREATE TABLE SPJ

(SNO CHAR(3),

PNO CHAR(3),

JNO CHAR(3),

QTY INT);

求供应工程J1零件的供应商号码SNO。

SELECT SNO FROM SPJ WHERE JNO='JI';

求供应工程J1零件P1的供应商号码SNO。

SELECT SNO FROM SPJ WHERE JNO='J1' AND PNO=' PI';

求供应工程J1零件为红色的供应商号码SNO。

SELECT SNO WHERE NOT EXISTS (SELECT \* FROM SPJ,S,P WHERE SPJJNO=J.JNO AND

SPJ.SNO=S.SNO AND SPJ.PNO=P.PNO AND s.CITY='天津' AND P.COLOR ='红);



答:

找出所有供应商的姓名和所在城市。

SELECT SNAME, CITY FROM S;

找出所有零件的名称、颜色、重量。

SELECT PNAME ,COLOR,WEIGHT FROM P;

找出使用供应商S1所供应零件的工程号码。

SELECT JNO FROM SPJ WHERE SN0='SI';

找出工程项目J2使用的各种零件的名称及其数量。

SELECT P.PNAME ,SPJ.QTY FROM P,SPJ WHERE P.PNO=SPJ.PNO AND SPJ.N0= 'J2';

找出上海厂商供应的所有零件号码。

SELECT DISTINCT PNO FROM SPJ WHERE SNO IN

(SELECT SNO FROM S WHERE CITY='上海');

找出使用上海产的零件的工程名称。

SELECT JNAME FROM J,SPJ,S WHERE J.JN0= SPJ.JNO AND SPJ.SNO=S.SNO AND SCITY='上海' ;

找出没有使用天津产的零件的工程号码。

SELECT JNO FROM J WHERE NOT EXISTS

(SELECT \* FROM SPJ WHERE SPJ.JNO= J.JNO AND SNO IN

( SELECT SNO FROM S WHERE CITY ='天津'));

把全部红色零件的颜色改成蓝色。

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

由S5供给J4的零件P6改为由S3供应,请作必要的修改。

UPDATE SPJ SET SNO='53' WHERE SNO='S5' AND JNO='J4' AND PNO='P6';

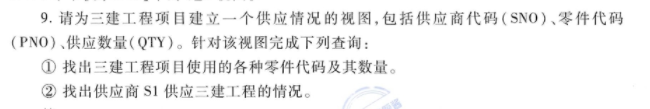
从供应商关系中删除S2的记录,并从供应情况关系中删除相应的记录。

DELETE FROM SPJ WHERE SNO='S2';

DELETE FROM S WHERE SNO='S2';

请将(S2,J6,P4 ,200)插人供应情况关系。

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



答:

创建视图:

CREATE VIEW V\_ SPJ AS SELECT SNO, PNO,QTY FROM SPJ WHERE JNO=

( SELECT JNO FROM J WHERE JNAME='三建');

对该视图查询:

①SELECT PNO,QTY FROM V\_ SPJ;

②SELECT PNO,QTY FROM V\_ SPJ WHERE SNO='S1';