09-27第一次作业

2.

CREATE TABLESPACE my2016220203031\_Job

DATAFILE 'C:\exampleDB\2016220203031\_Job\_data.dbf'

SIZE 100M

AUTOEXTEND on

NEXT 20M MAXSIZE unlimited

EXTENT MANAGEMENT local;

CREATE TEMPORARY TABLESPACE my2016220203031\_Job\_temp

tempfile 'C:\exampleDB\2016220203031\_Job\_temp.dbf'

SIZE 50M

AUTOEXTEND on

NEXT 10M MAXSIZE unlimited

EXTENT MANAGEMENT local;

3.CREATE user user\_2016220203031

IDENTIFIED BY 2016220203031

DEFAULT TABLESPACE my2016220203031\_Job

TEMPORARY TABLESPACE my2016220203031\_Job\_temp

ACCOUNT unlock;

GRANT DBA to user\_2016220203031;

4.

5.(1).

CREATE TABLESPACE HR

DATAFILE 'C:\exampleDB\HR.dbf'

SIZE 100M

AUTOEXTEND on

NEXT 20M MAXSIZE unlimited

EXTENT MANAGEMENT local;

CREATE TABLE Department(

DeptID char(3) not null,

DeptName char(30) not null,

DeptTel char(20) null,

DeptManager char(10) null,

constraint DeptID\_PK primary key(DeptID)

)TABLESPACE HR;

CREATE TABLE Employee(

EmpID char(5) not null,

EmpName char(10) not null,

Gender char(2) null,

Title char(6) null,

DeptID char(3) not null,

Phone char(11) not null,

constraint EmpID\_PK primary key(EmpID)

);

(2).

INSERT INTO Department

VALUES ('001','研发部','18280007528','大彪');

INSERT INTO Employee

VALUES ('001','大彪','女','员工','001','18280007528');

UPDATE Department

SET DeptTel='110'

WHERE DeptID='001';

SELECT \* from Department;

INSERT INTO Employee

VALUES ('002','小彪','女','员工','001','18280007529');

DELETE FROM Employee WHERE EmpName='小彪';

6.(1).

CREATE TABLESPACE EstateDB

DATAFILE 'C:\exampleDB\EstateDB.dbf'

SIZE 100M

AUTOEXTEND on

NEXT 20M MAXSIZE unlimited

EXTENT MANAGEMENT local;

(2).

CREATE TABLE OWNER(

PersonID Char(18) NOT NULL PRIMARY KEY,

Name Varchar(20) NOT NULL,

Gender Char(2) NOT NULL,

Occupation Varchar(20) NOT NULL,

Addr Varchar(50) NOT NULL,

Tel Varchar(11) NOT NULL

)TABLESPACE EstateDB;

CREATE TABLE ESTATE (

EstateID Char(15) NOT NULL PRIMARY KEY,

EstateName VarChar(50) NOT NULL,

EstateBuildName Varchar(50) NOT NULL,

EstateAddr Varchar(60) NOT NULL,

EstateCity Varchar(60) NOT NULL,

EstateType Char(4) NOT NULL CHECK(EstateType IN('住宅','商铺','车位','别墅')),

PropertyArea Numeric(5,2) NOT NULL,

UsableArea Numeric(5,2) NOT NULL,

CompletedDate Date NOT NULL,

YearLength Int DEFAULT '70' NOT NULL,

Remark Varchar(100) NULL

)TABLESPACE EstateDB;

CREATE TABLE Registration(

RegisterID Int NOT NULL PRIMARY KEY,

PersonID Char(18) NOT NULL REFERENCES Owner(PersonID),

EstateID Char(15) NOT NULL REFERENCES Estate(EstateID),

Price Int NOT NULL,

PurchasedDate Date NOT NULL,

DeliverDate Date NOT NULL

)TABLESPACE EstateDB;

(3).

INSERT INTO Estate

VALUES('001','商铺1','楼盘1','成华区','成都','商铺','50','40',to\_date('2015-01-01','yyyy-mm-dd'),10,'无');

INSERT INTO Estate

VALUES('002','住宅1','楼盘1','成华区','成都','住宅','100','80',to\_date('2015-01-01','yyyy-mm-dd'),10,'无');

INSERT INTO Estate

VALUES('003','住宅2','楼盘2','成华区','成都','住宅','90','70',to\_date('2015-01-01','yyyy-mm-dd'),10,'无');

INSERT INTO Owner

VALUES('0001','土豪','男','老师','成都','13112341234');

INSERT INTO Owner

VALUES('0002','穷人','男','老师','成都','13143214321');

INSERT INTO Registration

VALUES('1','0001','002',50000,to\_date('2015-01-01','yyyy-mm-dd'),to\_date('2015-02-01','yyyy-mm-dd'));

INSERT INTO Registration

VALUES('2','0001','003',100000,to\_date('2015-01-01','yyyy-mm-dd'),to\_date('2015-02-01','yyyy-mm-dd'));

INSERT INTO Registration

VALUES('3','0002','001',5000,to\_date('2015-01-01','yyyy-mm-dd'),to\_date('2015-02-01','yyyy-mm-dd'));

(4).

SELECT \* FROM Estate

WHERE EstateType='商铺';

(5).

SELECT \* FROM Estate

WHERE CompletedDate>=to\_date('2015-01-01','yyyy-mm-dd') AND PropertyArea>= 90 AND EstateType='住宅';

(6).

SELECT \* FROM Owner

WHERE PersonID IN (SELECT R.PersonID

FROM ESTATE E, Registration R

WHERE E.EstateID=R.EstateID AND E.EstateType='住宅'

GROUP BY R.PersonID

HAVING COUNT(\*) >=2

);

(7).

SELECT \* FROM Owner

WHERE PersonID IN (SELECT R.PersonID

FROM ESTATE E, Registration R

WHERE E.EstateID=R.EstateID AND E.EstateType='住宅' AND E.EstateCity='成都'

GROUP BY R.PersonID

HAVING COUNT(\*) >=2

);

(8).

SELECT E.EstateType, SUM(E.PropertyArea) FROM Registration R, Estate E

WHERE E.EstateID=R.EstateID AND R.PurchasedDate>=to\_date('2015-01-01','yyyy-mm-dd')

GROUP BY E.EstateType;

(9).

SELECT E.EstateType, SUM(R.Price) FROM Registration R, Estate E

WHERE E.EstateID=R.EstateID AND R.PurchasedDate>=to\_date('2015-01-01','yyyy-mm-dd')

GROUP BY E.EstateType;

(10).

CREATE VIEW Owner\_001 AS

SELECT R.RegisterID AS 登记编号,

E.EstateName AS 房产名称,

E.EstateType AS 房产类型,

E.PropertyArea AS 产权面积,

R.Price AS 购买金额,

R.PurchasedDate AS 购买日期,

E.EstateBuildName AS 房产楼盘,

E.EstateCity AS 房产城市

FROM Estate E,Registration R

WHERE R.PersonID='0001' AND R.EstateID=E.EstateID

ORDER BY R.PurchasedDate DESC;

SELECT \* FROM Owner\_001;

SELECT E.EstateType, SUM(R.Price) FROM Registration R, Estate E

WHERE E.EstateID=R.EstateID AND R.PurchasedDate>=to\_date('2015-01-01','yyyy-mm-dd')

GROUP BY E.EstateType;

(11).

CREATE VIEW CitySale AS

SELECT COUNT(R.RegisterID) AS 销售套数,

SUM(R.Price) AS 总销售金额

FROM Registration R, Estate E

GROUP BY E.EstateCity;

SELECT \* FROM CitySale;