-- 查询

SELECT '职工号:',Title FROM Employee ;

SELECT Title AS 职工号 FROM Employee ;

SELECT Ename, 2010-Age as 出生年份 from Employee;

SELECT A.Ename from Employee A;

-- where 条件

SELECT \* FROM Item WHERE Check\_date < '2010-09-28';

SELECT \* FROM Item WHERE Check\_date BETWEEN '2009-02-11' and '2010-09-28';

SELECT \* FROM Salary WHERE basepay not BETWEEN 500 and 700;

SELECT \* FROM Employee WHERE Title = '助工' or Title = '高工';

SELECT \* FROM Employee WHERE Title in ('助工','高工');

SELECT \* from Item WHERE Iname like '%性能研究';

SELECT \* from Item WHERE Iname like '实\_';

SELECT \* from Salary WHERE service not like '2%';

SELECT \* FROM Item WHERE Check\_date is null;

SELECT \* FROM Salary

WHERE

Basepay BETWEEN 600 AND 700

AND Service IN ( 600.0, 700.0, 1300.0, 2500.0 )

AND Eno LIKE '100\_';

SELECT Iname,Outlay

FROM Item ORDER BY Outlay DESC LIMIT 3;

SELECT \*

FROM Employee

WHERE Is\_Marry=1

ORDER BY Dno DESC, Age;

SELECT

Sex,

COUNT(\*)

FROM

Employee

GROUP BY

Sex;

SELECT Dno,Title, COUNT(Eno) from Employee

GROUP BY Dno,Title

ORDER BY Dno,Title desc;

SELECT

\*

FROM

Employee e,

Department d;

SELECT Ename, Title, e.Dno, d.Dno, Dname

FROM Employee e INNER JOIN Department d

ON e.Dno=d.Dno;

SELECT Ename, Title, e.Dno, d.Dno, Dname

FROM Employee e , Department d

WHERE e.Dno=d.Dno;

CREATE TABLE Salgrade

( Grade decimal(1),

Lowsalary decimal(6,2),

Highsalaty decimal(6,2) );

SELECT d.Dno, d.Dname , e.Eno, e.Ename, e.Title

FROM Department d LEFT JOIN Employee e

ON d.Dno=e.Dno;

SELECT d.Dno, d.Dname, e.Eno, e.Ename, e.Title

FROM Department d RIGHT JOIN Employee e

ON d.Dno=e.Dno;

SELECT d.Dno, d.Dname, e.Eno, e.Ename, e.Title

FROM Department d FULL JOIN Employee e

ON d.Dno=e.Dno;

SELECT d.Dname, COUNT(Eno)

FROM Department d JOIN Employee e

ON d.Dno=e.Dno

GROUP BY d.Dname;

SELECT d.Dname, COUNT(Eno)

FROM Department d LEFT JOIN Employee e

ON d.Dno=e.Dno

GROUP BY d.Dname;

SELECT e1.Ename,e2.Ename

FROM Employee e1 JOIN Employee e2

ON left(e1.Ename,1)=left(e2.Ename,1)

WHERE e1.Eno < e2.Eno;

-- 嵌套 子查询

SELECT Eno, Ename, Title

FROM Employee

WHERE Eno IN

( SELECT Eno

FROM Item\_emp

WHERE Ino= '200901' );

SELECT \*

FROM Item

WHERE Ino NOT IN

( SELECT Ino

FROM Item\_emp

WHERE Eno='1010' );

SELECT \*

FROM Employee

WHERE Eno IN

( SELECT Eno

FROM Item\_emp

WHERE Ino =

( SELECT Ino

FROM Item

WHERE Iname='相变光盘性能研究' ) );

SELECT Ename,Age

FROM Employee

WHERE Age >

( SELECT AVG(Age)

FROM Employee );

SELECT \*

FROM Employee

WHERE Age > ALL ( SELECT Age

FROM Employee

WHERE Dno='02' )

AND Dno<>'02'

ORDER BY Age;

-- 相关子查询

SELECT Eno, Ename

FROM Employee

WHERE EXISTS

( SELECT \*

FROM Item\_Emp

WHERE Eno=Employee.Eno);

SELECT Eno,Ename

FROM Employee

WHERE NOT EXISTS

( SELECT \*

FROM Item

WHERE NOT EXISTS

( SELECT \*

FROM Item\_Emp

WHERE Item\_Emp.Eno=Employee.Eno

AND Item\_Emp.Ino=Item.Ino ));

SELECT

count(\*)

FROM

Employee e,

Item I,

Item\_Emp ie

WHERE

ie.Eno = e.Eno

AND ie.Ino = I.Ino

SELECT Eno,Ename

FROM Employee

WHERE NOT EXISTS

( SELECT \*

FROM Item

WHERE Item.Ino like '2009%' and NOT EXISTS

( SELECT \*

FROM Item\_Emp

WHERE Item\_Emp.Eno=Employee.Eno

AND Item\_Emp.Ino=Item.Ino));

CREATE TABLE engineer AS

SELECT

Eno,

Ename,

Title,

Dno

FROM

Employee

WHERE

Title = '高工';

INSERT INTO Engineer

SELECT Eno,Ename,Title,Dno

FROM Employee

WHERE Title in ('工程师','高工');

UPDATE Salary

SET Rest=Rest-200

WHERE Eno IN

( SELECT Eno

FROM Item\_Emp

WHERE Ino= '200802');

UPDATE Salary

SET Basepay = (

SELECT

avgBasepay

FROM

( SELECT AVG( Basepay ) AS avgBasepay FROM Salary ) AS temp)

WHERE

Eno IN (

SELECT

Eno

FROM

Employee

WHERE

Title = '工程师'

);

DELETE FROM Item\_Emp

WHERE Eno=

( SELECT Eno

FROM Employee

WHERE Ename='丁为国' );

CREATE VIEW V\_Emp\_02

AS

SELECT \*

FROM Employee

WHERE Dno= '02';

CREATE VIEW V\_Emp\_02\_2

AS

SELECT \*

FROM Employee

WHERE Dno= '02'

WITH CHECK OPTION;

CREATE VIEW V\_salary(Eno,Ename,Act\_salary)

AS

SELECT Employee.Eno,Ename,

Basepay+Service+Price+Rest-Insure-Fund

FROM Employee,Salary

WHERE Employee.Eno=Salary.Eno;

CREATE VIEW V\_salary2

AS

SELECT \*

FROM V\_salary

WHERE Act\_salary>2000;

CREATE VIEW V\_Dept\_Salary(Dno,Avg\_Act\_salary)

AS

SELECT Dno,AVG(Act\_salary)

FROM Employee,V\_salary

WHERE Employee.Eno=V\_salary.Eno

GROUP BY Dno;

ALTER VIEW V\_Emp\_02

AS

SELECT \*

FROM Employee

WHERE Dno= '02' AND Age<=40;

DROP VIEW V\_Emp\_02

INSERT INTO V\_Emp\_02\_2

VALUES('1036','陈向东','男',25,1,'工程师','03',null);

CREATE VIEW V\_avg\_age

AS

SELECT Dno,Avg(Age) AS Avg\_age

FROM Employee

GROUP BY Dno