Mysql -Day02

==================db3

# 创建部门表

create table dept(

id int primary key auto\_increment,

name varchar(20)

);

insert into dept (name) values ('开发部'),('市场部'),('财务部'); # 创建员工表

SELECT \* FROM dept;

create table emp (

id int primary key auto\_increment,

name varchar(10),

gender char(1),

salary double,

join\_date date, -- 入职日期

dept\_id int,

foreign key (dept\_id) references dept(id) -- 外键，关联部门表(部门表的主键)

);

SELECT \* from emp;

insert into emp(name,gender,salary,join\_date,dept\_id) values('孙悟空','男 ',7200,'2013-02-24',1);

insert into emp(name,gender,salary,join\_date,dept\_id) values('猪八戒','男 ',3600,'2010-12-02',2);

insert into emp(name,gender,salary,join\_date,dept\_id) values('唐僧','男',9000,'2008-08-08',2);

insert into emp(name,gender,salary,join\_date,dept\_id) values('白骨精','女 ',5000,'2015-10-07',3);

insert into emp(name,gender,salary,join\_date,dept\_id) values('蜘蛛精','女 ',4500,'2011-03-14',1);

SELECT \* FROM emp,dept;

SELECT \* FROM emp,dept where emp.`dept\_id` = dept.`id`;

SELECT emp.name, emp.gender, dept.name FROM emp,dept WHERE emp.`dept\_id` = dept.`id`;

SELECT

tab1.name,

tab1.gender,

tab2.name

FROM

emp tab1,

dept tab2

WHERE

tab1.`dept\_id` = tab2.`id`;

SELECT \* FROM emp INNER JOIN dept ON emp.`dept\_id`=dept.`id`;

SELECT \* FROM emp JOIN dept ON emp.dept\_id = dept.id;

INSERT INTO emp VALUES(6, '白龙马', '男', 2800, NULL, NULL);

SELECT t1.\* , t2.`name` FROM emp t1 LEFT JOIN dept t2 ON t1.dept\_id = t2.id;

DELETE FROM dept WHERE id=4;

INSERT INTO dept VALUES(4,'售后部');

SELECT t1.\* , t2.`name` FROM emp t1 RIGHT JOIN dept t2 ON t1.dept\_id = t2.id;

SELECT MAX(salary) FROM emp;

SELECT \* FROM emp WHERE emp.salary = 9000;

SELECT \* FROM emp WHERE emp.salary = (SELECT MAX(salary) FROM emp) ;

SELECT \* FROM emp WHERE emp.salary < (SELECT AVG(salary) FROM emp) ;

SELECT id FROM dept WHERE NAME = '财务部' OR NAME = '市场部';

SELECT \* FROM emp WHERE dept\_id = 3 OR dept\_id = 2;

SELECT \* FROM emp WHERE dept\_id IN (SELECT id FROM dept WHERE NAME = '财务部' OR NAME = '市场部');

SELECT \* FROM emp WHERE emp.join\_date > '2011-11-11';

SELECT \* FROM dept t1 , (SELECT \* FROM emp WHERE emp.join\_date > '2011-11-11') t2 WHERE t1.id = t2.dept\_id;

SELECT \* FROM emp t1 , dept t2 WHERE t1.dept\_id = t2.id AND t1.join\_date > '2011-11-11';