

SQL&JDBC

一 SQL复习

```
-- 插入数据
insert into emp(empno,ename,sal,hiredate,comm,job,deptid)
values(7839,'JAMES',3000,'2019-02-23',null,'DEVELOPER',1);

-- 经理编号为7820(mgr)
update emp set mgr=7820 where empno=7839

-- 查询所有的员工信息
select * from emp

-- 查询员工编号和姓名
select empno,ename from emp

-- 别名
select empno 编号,ename 姓名 from emp

-- 按照工资从高到低排列所有员工信息(desc 高->低 asc 低->高)
select empno,ename,sal from emp order by sal desc

-- 查询部门编号为1的员工信息
select empno,ename,deptid from emp where deptid=1

-- 查找员工James的相关信息
select empno,ename,sal from emp where ename='JAMES'

-- 查询员工工作岗位(唯一显示)
select distinct job from emp

-- 查询工资在3000-5000的员工信息
select empno,ename,sal from emp where sal>=3000 and
sal<=5000;

-- between and包含临界值
```

```
select empno,ename,sal from emp where sal between 3000 and 5000;
```

-- 查询工作是销售和开发人员的信息

```
select empno,ename,job from emp where job='SALESMAN' or job='DEVELOPER'
```

-- in

```
select empno,ename,job from emp where job in ('SALESMAN','DEVELOPER')
```

-- 查询部门编号为1,2,3部门员工的信息

```
select empno,ename,deptid from emp where deptid in (1,2,3)
```

-- 名字中带有A字母的员工信息(%通配符 _通配单个字母)

```
select empno,ename from emp where ename like '%A%'
```

-- 第二个字母为A的员工信息

```
select empno,ename from emp where ename like '_A%';
```

-- 求公司的平均工资 (聚合函数)

```
select avg(sal) from emp;
```

-- 总工资

```
select sum(sal) from emp;
```

-- 总人数

```
select count(*) from emp;
```

-- 公司的总奖金

```
select sum(comm) from emp;
```

-- 公司的平均奖金,聚合函数会忽略所有空值

```
select avg(comm) from emp;
```

-- 每个部门的平均工资

```
select deptid,avg(sal) from emp group by deptid
```

-- 求平均工资高于等于4000的部门编号

```
select deptid,avg(sal) from emp group by deptid having  
avg(sal)>=4000 ORDER BY 2
```