## 基于 openGauss 的 SQL 查询练习

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1.select \* from employee where sex='男';

```
postgres=# select * from employee where sex='男
 empid | empname | age | sex | depid
                  34 | 男
 10211 | 李飞
                  24 | 男
                            | d2
                | 39 | 男
                            | d2
 22020 | 周成
 25348 | 冯鑫
                  27 | 男
                            | d1
                            | d1
 29346 | 王鑫
                   32 | 男
(5 rows)
```

2.select empid,empname,age,location from employee natural join department where empname like '李%' order by age desc;

3.select empname, max(budget) as highestbudget, min(budget) as lowestbudget from employee natural join workson natural join project group by empname;

```
postgres=# select empname.max(budget) as highestbudget ,min(budget) as lowestbudget from employee natural join workson natural join project group by empname; empname | highestbudget | lowestbudget | desembled | desembled
```

4.select empid,count(distinct proid) as num from employee natural join workson group by empid having count(distinct proid)>1;

5.select proid,projectname,budget from project where catid='c2' and budget >= all (select budget from project where catid = 'c2');

6.select empid,empname,age,sex,depid from employee natural join workson natural join project where projectname = '产品推广' and job is NULL;

7.select category.catid,count(workson.empid) pronum from category left join project on project.catid=category.catid left outer join workson on project.proid=workson.proid and workson.empid= 10102 group by category.catid;

8.select \*from employee where empid not in (select empid from category natural join project natural join workson where catname= '软件类') and sex= '女';

9.select location,max(age) maxage from employee natural join department where location in (select location from employee natural join department where sex= '男' and age>30) and sex= '男' group by location;

10.select empid,empname,count(distinct proid)procont from employee natural join workson natural join project where empid in(select empid from employee natural join department natural join project where location='广州' and projectname='产品推广')group by empid,empname;