基于 GaussDB 的 SQL 查询练习

SQL 语句查询

1. 给出职工中所有男性的所有信息(empid,empname,age,sex,edpid):

1 SELECT * FROM employee where sex = '男'



2.统计来自"李"姓职工信息,按年龄降序排序。(empid,empname,age,location):

SELECT empid,empname,age,location

FROM employee,department

WHERE empname LIKE '李%' and employee.depid =department.depid ORDER BY age DESC

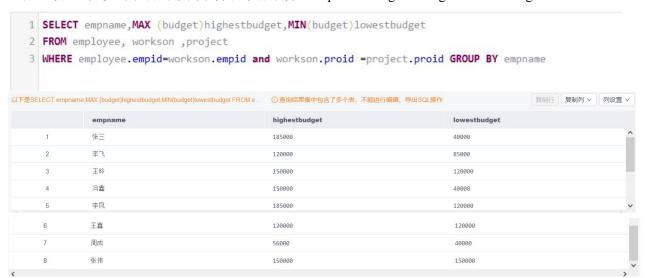
WT是SELECT empid,empname,age,location FROM employee,department WHERE empn. ① 查询结果集中包含了多个表,不能进行编辑、导出SQL操作 复制行 复制列 > 列设置 >

empid empname age location

1 28559 李凤 41 广州

2 10211 李飞 24 北京

3.给出每位职员参与项目的最高预算和最低预算(empname, highestbudget, lowestbudget):



4. 给出所有项目超过一个的员工的 id 和参加的项目个数 (empid, num):

- 1 SELECT empid, COUNT (proid) num
- 2 FROM workson GROUP BY empid HAVING COUNT(proid)>1



5. 给出项目种类号为 "c2" 且预算最多的项目。(proid, projectname, budget):

```
1 SELECT proid,projectname,budget
2 FROM project
3 where catid = 'c2' and budget >= ALL(SELECT budget FROM project WHERE catid = 'c2')
```

| 以下是SELECT proid,projectname,budget FROM project where catid = 'c2' and budget >= | | ①点击单元格可编辑数据,新增或编辑后需要提交编辑以保存 | | 复制行 | 复制列 > |
|--|-------|-----------------------------|--------|-----|-------|
| | proid | projectname | budget | | |
| 1 | p4 | 服务器采购 | 150000 | | |

6. 给出参加"产品推广"项目,但不担任职位的员工的员工信息,(empid,empname,age,sex,depid):

```
1 SELECT workson.empid,empname,age,sex,depid
2 FROM workson,employee,project
3 WHERE workson.empid = employee.empid and workson.proid = project.proid and project.projectname ='产品推广' and job IS NULL
```

| 以下是SELECT workson.empid,empname,age,sex,depid FROM workson,employee,project ① 查询结果集中包含了多个表,不能进行编辑、导出SQL操作 | | | | | |
|---|-------|---------|-----|-----|-------|
| | empid | empname | age | sex | depid |
| 1 | 25348 | 冯鑫 | 27 | 男 | d1 |

7. 给出工号为"10102"的员工每类项目的参加总数,若没有参加过某类项目,则参加项目总数显示为 0 (catid, proNum):

```
select catid,COUNT (workson.proid)proNUM
from workson ,project
where workson.proid = project.proid and workson.empid = 10102 GROUP BY project.catid ORDER BY catid
```



8. 给出没有参与"软件类"项目女性职工的信息 (empid,empname, age,sex,depid):





9.给出有30岁以上男性员工的省份名称和该省男员工最大年龄,结果按最大年龄升序排序:

```
1 SELECT location, MAX(age) maxAge
2 from employee , department
3 where employee.depid = department.depid
4 and age > 30 and sex = '男'
5 GROUP BY location
6 ORDER BY maxAge
```



10.给出在广州工作的、参加"'产品推广'"项目的职员 id、姓名及他们参加的项目个数 (empid, empname, procnt):

```
1 SELECT employee.empid, empname, count(workson.proid)procnt
2 FROM employee ,workson
3 WHERE employee.empid = workson.empid and employee.empid in (
     select employee.empid
4
    from employee ,workson,department ,project
5
    where department.depid = employee.depid
6
7
     and employee.empid = workson.empid
    and location = '广州'
8
    and workson.proid = project.proid
9
    and project.projectname ='产品推广')
10
```

| 以下是SELECT employee.empid, empname, count(workson.proid)procnt FROM employee | | | | |
|---|---|-------|---------|--------|
| | | empid | empname | procnt |
| | 1 | 28559 | 李凤 | 3 |
| | < | | | |