MySQL Assignment - 3

1. write a SQL query to find Employees who have the biggest salary in their Department

```
select e.emp_id, e.emp_name, e.salary, e.dept_id, d.dept_name
from employee e inner join department d on e.dept_id=d.dept_id,(
select max(salary) mx_salary, dept_id from employee group by
dept_id) k where e.salary=k.mx_salary and e.dept_id=k.dept_id
order by dept_id ;
```

emp_id	emp_name	salary	dept_id	dept_name
7839	KING	5000	10	ACCOUNTING
7788	SCOTT	3000	20	RESEARCH
7902	FORD	3000	20	RESEARCH
7698	BLAKE	2850	30	SALES

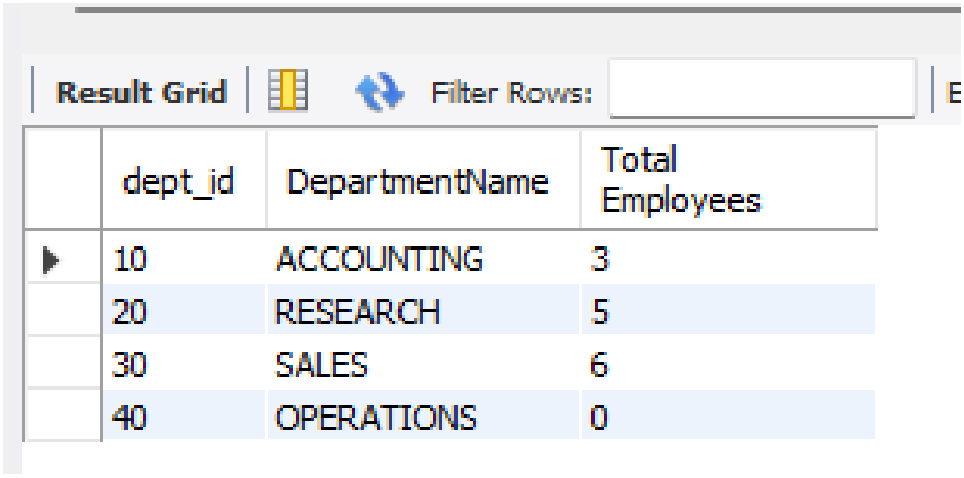
2.write a SQL query to find Departments that have less than 3 people in it

```
select d.dept_id, d.dept_name DepartmentName, case when k.total
is null then '0' else k.total end 'Total Employees' from (select
count(emp_id) as total, dept_id from employee e group by
dept_id) k right join department d on k.dept_id=d.dept_id where
k.total<=3 or k.total is null;
```

	dept_id	DepartmentName	Total Employees
▶	10	ACCOUNTING	3
	40	OPERATIONS	0

3. write a SQL query to find All Department along with the number of people there

```
select d.dept_id, d.dept_name DepartmentName, case when k.total
is null then '0' else k.total end `Total Employees` from (select
count(emp_id) as total, dept_id from employee e group by
dept_id) k right join department d on k.dept_id=d.dept_id;
```



dept_id	DepartmentName	Total Employees
10	ACCOUNTING	3
20	RESEARCH	5
30	SALES	6
40	OPERATIONS	0

4. write a SQL query to find All Department along with the total salary there

```
select d.dept_id, d.dept_name DepartmentName, case when k.total
is null then '0' else k.total end TotalSalary from (select
sum(e.salary) as total, dept_id from employee e group by
dept_id) k right join department d on k.dept_id=d.dept_id;
```

	dept_id	DepartmentName	TotalSalary
▶	10	ACCOUNTING	8750
	20	RESEARCH	10875
	30	SALES	9400
	40	OPERATIONS	0