

Assignment - 3

1. Write a SQL to find Employee who have the highest salary in their department

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The query editor contains the following SQL code:

```
--1
select distinct dept_id, emp_name, emp_id, salary from employee
where (salary) in (select max(salary) from employee group by dept id)
--2
```

The Results pane shows the following data:

dept_id	emp_name	emp_id	salary
20	BLAKE	7500	28500
20	SCOTT	7700	30000
10	KING	7839	50000
20	FORD	7902	30000

The Properties pane on the right shows the connection details for the current connection.

2. Write a SQL to find department that have less than 3 people in it

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The query editor contains the following SQL code:

```
--2
select department.dept_id, dept name, count(salary) as number_of_people from employee
right join department
on employee.dept_id = department.dept_id
group by department.dept_id, dept name
having count(salary) < 3
--3
```

The Results pane shows the following data:

dept_id	dept_name	number_of_people
10	Accounting	0

The Properties pane on the right shows the connection details for the current connection.

3. Write a SQL to find all department with number of people there

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The query editor contains the following SQL code:

```

having count(salary)<3

--3

select department.dept_id,dept_name , count(salary) as number_of_people from employee
right join department
on employee.dept_id = department.dept_id
group by department.dept_id,dept_name

```

The Results pane shows the following data:

dept_id	dept_name	number_of_people
10	Accounting	3
20	Research	5
30	SALES	6
40	Operation	0

The Properties pane on the right shows connection details for the 'PCT777SQL2019' connection.

4. Write a SQL to find all department along with the total salary there

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The query editor contains the following SQL code:

```

--4

select department.dept_id,dept_name , Sum(salary) as number_of_people from employee
right join department
on employee.dept_id = department.dept_id
group by department.dept_id,dept_name

```

The Results pane shows the following data:

dept_id	dept_name	number_of_people
10	Accounting	8750
20	Research	10875
30	SALES	9400
40	Operation	NULL

The Properties pane on the right shows connection details for the 'PCT777SQL2019' connection.

