Assignment :- 3
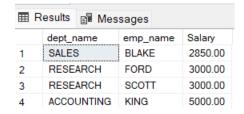
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Sql Query

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

```
Ans:- SELECT d.dept_name, e.emp_name, e.Salary
      FROM Department d
      JOIN Employee e
      ON e.dept_id = d.dept_id
      AND e.Salary = (SELECT MAX(Salary)
                      FROM Employee e2
                      WHERE e2.dept_id= d.dept_id);
```

	dept_name	emp_name	Salary
1	SALES	BLAKE	2850.00
2	RESEARCH	FORD	3000.00
3	RESEARCH	SCOTT	3000.00
4	ACCOUNTING	KING	5000.00

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

```
Ans:-  SELECT s.dept_name, s.employees
       FROM (
             SELECT dept_name, ISNULL(count,0) as employees
             FROM Department d
             LEFT JOIN(
                       SELECT dept_id,COUNT(emp_id) as count
                       FROM Employee
                       GROUP BY dept_id) e
                             ON d.dept_id = e.dept_id
                             ) s
                             WHERE s.employees<3
```

	dept_name	employees
1	OPERATIONS	0

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

```
Ans:- SELECT dept_name,Department.dept_Id, COUNT(*) AS totalEmployees
      FROM Employee
      LEFT JOIN Department
      ON Employee.dept_id = Department.dept_id
      GROUP BY dept_name,Department.dept_Id
```

	dept_name	dept_Id	totalEmployees
1	ACCOUNTING	10	3
2	RESEARCH	20	5
3	SALES	30	6

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

Ans:- SELECT dept_name, ISNULL(count,0) as employees
        FROM Department d
        LEFT JOIN(
                SELECT dept_id,sum(emp_id) as count
                FROM Employee
                GROUP BY dept_id) e
                ON d.dept_id = e.dept_id

	dept_name	employees
1	ACCOUNTING	23555
2	RESEARCH	38501
3	SALES	46116
4	OPERATIONS	0