

L14 : SubQueries

1-Tut : SQL query - 6

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Problem Statement:

List down all the Employees whose salary is greater than that of Monica Geller.

Information about the table:

Table **Employee**:

EmpCode	EmpName	Job	Manager	HireDate	Salary	DeptCode
9369	Ted Mosby	SOFTWARE ENGINEER	7902	1980-12-17	3000	20
9499	Robin Scherbatsky	SALESMAN	7698	1981-02-20	7000	30
9566	Lily Aldrin	MANAGER	7839	1981-04-02	6000	20
9654	Phoebe Buffay	SALESMAN	7698	1981-09-28	7000	30
9782	Monica Geller	MANAGER	7839	1981-06-09	5500	10
9788	Chandler Bing	ANALYST	7566	1982-12-09	3000	20
9839	Marshall Eriksen	PRESIDENT	7566	1981-11-17	5000	10

Output Table Structure:

EmpName

Note-1: Write keywords of syntax in uppercase alphabets.

Note-2 : You are not authorized to view the salaries of the employees.

```
SELECT EmpName
```

```
FRom Employee
```

```
where
```

```
salary > (select salary from Employee where Empname = 'Monica Geller');
```

2-Tut : SQL query - 7

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Problem Statement:

List down all the employees whose job is the same as Phoebe Buffay.

Information about the table:

Table **Employee**:

EmpCode	EmpName	Job	Manager	HireDate	Salary	DeptCode	
9369	Ted Mosby	SOFTWARE ENGINEER	7902	1980-12-17	2800	20	
9499	Robin Scherbatsky	SALESMAN	7698	1981-02-20	1600	30	
9566	Lily Aldrin	MANAGER	7839	1981-04-02	3570	20	
9654	Phoebe Buffay	SALESMAN	7698	1981-09-28	1250	30	
9782	Monica Geller	MANAGER	7839	1981-06-09	2940	10	
9788	Chandler Bing	ANALYST	7566	1982-12-09	3000	20	
9839	Marshall Eriksen	PRESIDENT	7566	1981-11-17	5000	10	

Output Table Structure:

EmpName	Salary	DeptCode	Job
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Note: Write keywords of syntax in uppercase alphabets.

```
select EmpName,Salary,DeptCode,Job
FROM Employee
WHERE Job IN (SELECT Job From Employee WHERE EmpName = 'Phoebe Buffay');
```

3-Tut : SQL query - 8

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Problem Statement:

List down the min salary with the employee name for all the departments.

Information about the table:

Table **Employee**:

EmpCode	EmpName	Job	Manager	HireDate	Salary	DeptCode	
9369	Ted Mosby	SOFTWARE ENGINEER	7902	1980-12-17	2800	20	
9499	Robin Scherbatsky	SALESMAN	7698	1981-02-20	1600	30	
9566	Lily Aldrin	MANAGER	7839	1981-04-02	3570	20	<input type="button" value="v"/>
9654	Phoebe Buffay	SALESMAN	7698	1981-09-28	1250	30	
9782	Monica Geller	MANAGER	7839	1981-06-09	2940	10	
9788	Chandler Bing	ANALYST	7566	1982-12-09	3000	20	
9839	Marshall Eriksen	PRESIDENT	7566	1981-11-17	5000	10	

Output Table Structure:

EmpName	Salary	DeptCode
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```
SELECT EmpName,Salary,DeptCode
FROM Employee
WHERE Salary IN (SELECT MIN(Salary) FROM Employee GROUP BY DeptCode);
```

4-Tut : **Sub query - 9**


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Problem Statement:

Print out all the employees with their respective Departments even if any employee's salary is more than 4000.

Information about the table:

Table **Employee**:

EmpCode	EmpName	Job	Manager	HireDate	Salary	DeptCode	
9369	Ted Mosby	SOFTWARE ENGINEER	7902	1980-12-17	2800	20	
9499	Robin Scherbatsky	SALESMAN	7698	1981-02-20	1600	30	
9566	Lily Aldrin	MANAGER	7839	1981-04-02	3570	20	
9654	Phoebe Buffay	SALESMAN	7698	1981-09-28	1250	30	
9782	Monica Geller	MANAGER	7839	1981-06-09	2940	10	
9788	Chandler Bing	ANALYST	7566	1982-12-09	3000	20	
9839	Marshall Eriksen	PRESIDENT	7566	1981-11-17	5000	10	

Output Table Structure:

EmpName	DeptCode
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Hint: use EXISTS operator.

Note: Write keywords of syntax in uppercase alphabets.

```
SELECT EmpName,DeptCode
FROM Employee
WHERE EXISTS (SELECT Salary FROM Employee WHERE Salary > 4000);
```

5-Tut : Subquery Problem- 12

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Problem Statement:

Print the employee details for all employees who earn more than the average salary and having an "e" in their name.

Information about the table:

Table **Employee**:

EmpCode	EmpName	Job	Manager	HireDate	Salary	DeptCode	
9369	Ted Mosby	SOFTWARE ENGINEER	7902	1980-12-17	2800	20	
9499	Robin Scherbatsky	SALESMAN	7698	1981-02-20	1600	30	
9566	Lily Aldrin	MANAGER	7839	1981-04-02	3570	20	
9654	Phoebe Buffay	SALESMAN	7698	1981-09-28	1250	30	
9782	Monica Geller	MANAGER	7839	1981-06-09	2940	10	
9788	Chandler Bing	ANALYST	7566	1982-12-09	3000	20	
9839	Marshall Eriksen	PRESIDENT	7566	1981-11-17	5000	10	

Output Table Structure:

EmpCode	EmpName	Salary
---------	---------	--------

Note: Write keywords of syntax in uppercase alphabets.

```
Select EmpCode,EmpName,Salary
From Employee WHERE Salary >( SELECT AVG(Salary) From Employee)
AND EmpName LIKE '%e%';
```

6-Tut : SQL Query - 11


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Problem Statement:

List down the employee details with their annual salary, given that the annual salary of the employees being listed should be greater than 30000

Information about the table:

Table **Employee**:

EmpCode	EmpName	Job	Manager	HireDate	Salary	DeptCode	
9369	Ted Mosby	SOFTWARE ENGINEER	7902	1980-12-17	2800	20	
9499	Robin Scherbatsky	SALESMAN	7698	1981-02-20	1600	30	
9566	Lily Aldrin	MANAGER	7839	1981-04-02	3570	20	
9654	Phoebe Buffay	SALESMAN	7698	1981-09-28	1250	30	
9782	Monica Geller	MANAGER	7839	1981-06-09	2940	10	
9788	Chandler Bing	ANALYST	7566	1982-12-09	3000	20	
9839	Marshall Eriksen	PRESIDENT	7566	1981-11-17	5000	10	

Output Table Structure:

EmpCode	EmpName	Salary	A_sal
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Note: Write keywords of syntax in uppercase alphabets.

```
select EmpCode,EmpName,Salary,A_sal from
(select EmpCode ,EmpName ,Salary , Salary*12 as A_sal
from Employee) qone where qone.A_sal >30000;
```