

SINGLE ROW QUERY TASK

1. Find the employee who earns the maximum salary.

```
select emp_name,salary from employees  
where salary=(select max(salary) from employees);
```

OUTPUT:

	emp_name	salary
▶	Mary	70000.00

2. Find the employees who earn more than the average salary.

```
select emp_name,salary from employees  
where salary=(select avg(salary) from employees);
```

OUTPUT:

	emp_name	salary
▶		

3. Find the employee working in the same department as “Alex”

```
select emp_name,department from employees  
where department= (select department from employees where  
emp_name='Alex');
```

OUTPUT:

	emp_name	department
▶	John	HR
	Alex	HR

4. Find employees with a salary equal to the minimum salary.

```
select emp_name,salary from employees  
where salary=(select min(salary) from employees);
```

OUTPUT:

Result Grid		Filter Rows:
	emp_name	salary
▶	Alex	45000.00

5. Find the department of the highest-paid employee.

```
select emp_name,department from employees  
where salary=(select max(salary) from employees);
```

OUTPUT:

Result Grid		Filter Rows:
	emp_name	department
▶	Mary	IT

6. Find employee(s) working in the same city as 'Emma'.

```
select emp_name,city from employees  
where city=(select city from employees where emp_name='Emma');
```

OUTPUT:

Result Grid		Filter R
	emp_name	city
▶	John	London
	Alex	London
	Emma	London

7. Find employees earning less than Mary

```
select emp_name,salary from employees  
where salary<(select salary from employees where emp_name='Mary' );
```

OUTPUT:

Result Grid		Filter Rows
	emp_name	salary
▶	John	50000.00
	Alex	45000.00
	Steve	65000.00
	Emma	55000.00
	Rachel	60000.00

8. Find the department of the lowest-paid employee.

```
select emp_name,department from employees  
where salary=(select min(salary) from employees);
```

OUTPUT:

Result Grid		Filter Rows
	emp_name	department
▶	Alex	HR

9. Find the employee who earns the same salary as 'Steve'.

```
select emp_name,salary from employees  
where salary=(select salary from employees where emp_name='Steve');
```

OUTPUT:

	emp_name	salary
▶	Steve	65000.00

10. Find employees who work in the same department as the employee with ID=2.

```
select emp_name,emp_id from employees  
where emp_id=(select emp_id from employees where emp_id=2);
```

OUTPUT:

	emp_name	emp_id
▶	Mary	2
*	NULL	NULL

11. Find employees whose salary equals the average salary of all employees.

```
select emp_name,salary from employees  
where salary=(select avg(salary) from employees);
```

OUTPUT:

	emp_name	salary
▶		

12. Find the highest-paid employee in the Finance department.

```
select emp_name,department from employees  
where department in (select department from employees where  
department='Finance');
```

OUTPUT:

	emp_name	department
▶	Emma	Finance
*	Rachel	Finance

13. Find the department of the employee with the second-highest salary.

```
select emp_name,department,salary from employees
```

```
where salary=(select max(salary) from employees where salary<(select  
max(salary) from employees));
```

OUTPUT:

	emp_name	department	salary
▶	Steve	IT	65000.00