

```
CREATE database SQLTask4;
```

```
use SQLTask4;
```

```
CREATE TABLE employees (
```

```
    emp_id INTEGER,
```

```
    emp_name TEXT,
```

```
    department TEXT,
```

```
    salary INTEGER
```

```
);
```

```
INSERT INTO employees VALUES
```

```
(1, 'Amit', 'IT', 50000),
```

```
(2, 'Neha', 'HR', 40000),
```

```
(3, 'Rahul', 'IT', 60000),
```

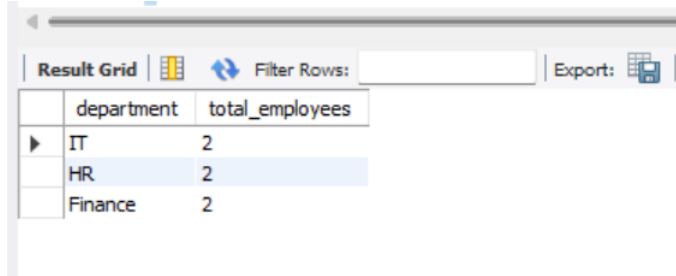
```
(4, 'Sneha', 'HR', 45000),
```

```
(5, 'Karan', 'Finance', 55000),
```

```
(6, 'Pooja', 'Finance', 65000);
```

## COUNT employees in each department

```
SELECT department, COUNT(*) AS total_employees  
FROM employees  
GROUP BY department;
```




The screenshot shows a database query result grid with the following data:

	department	total_employees
▶	IT	2
	HR	2
	Finance	2


## SUM of salary by department

```
SELECT department, SUM(salary) AS total_salary  
FROM employees  
GROUP BY department;
```

Result Grid    Filter Rows: <input type="text"/>		
	department	total_employees
▶	IT	2
	HR	2
	Finance	2


## Average salary by department

```
SELECT department, AVG(salary) AS avg_salary
FROM employees
GROUP BY department;
```

Result Grid    Filter Rows: <input type="text"/>   Export		
	department	avg_salary
▶	IT	55000.0000
	HR	42500.0000
	Finance	60000.0000


## Highest salary by department

```
SELECT department, MAX(salary) AS highest_salary
FROM employees
GROUP BY department;
```

Result Grid    Filter Rows: <input type="text"/>   Ex		
	department	highest_salary
▶	IT	60000
	HR	45000
	Finance	65000

## Departments having average salary > 50000 (HAVING)

```
SELECT department, AVG(salary) AS avg_salary
FROM employees
GROUP BY department
HAVING AVG(salary) > 50000;
```

Result Grid    Filter Rows: <input type="text"/>		
	department	avg_salary
▶	IT	55000.0000
	Finance	60000.0000

## Count DISTINCT departments

```
SELECT COUNT(DISTINCT department) AS total_departments  
FROM employees;
```

Result Grid		Filter Rows:
	total_departments	
▶	3	

## ROUND average salary

```
SELECT department, ROUND(AVG(salary), 2) AS rounded_avg_salary  
FROM employees  
GROUP BY department;
```

Result Grid		Filter Rows:	Export:
	department	rounded_avg_salary	
▶	IT	55000.00	
	HR	42500.00	
	Finance	60000.00	