**1. Scalar Subquery in SELECT Clause**

SQL

SELECT

e.employee\_name,

e.salary,

(SELECT AVG(salary) FROM employees WHERE department\_id = e.department\_id) AS department\_avg\_salary

FROM

employees e;

**2. Correlated Subquery with WHERE Clause**

SQL

SELECT

employee\_name,

salary,

department\_id

FROM

employees e

WHERE

salary > (SELECT AVG(salary) FROM employees WHERE department\_id = e.department\_id);

**3. Subquery with IN**

SQL

SELECT

employee\_name

FROM

employees

WHERE

department\_id IN (SELECT department\_id FROM departments WHERE location = 'New York');

**4. Subquery with EXISTS**

SQL

SELECT

department\_name

FROM

departments d

WHERE

EXISTS (SELECT 1 FROM employees e WHERE e.department\_id = d.department\_id);

**5. Subquery with = (Equals)**

SQL

SELECT

employee\_name

FROM

employees

WHERE

salary = (SELECT MAX(salary) FROM employees);