
SUBQUERY IN SQL

SQL Series Part 10

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SUBQUERY

A subquery, also known as a **nested query** or **inner query**, is a query nested **within another SQL query**. Subqueries are enclosed within parentheses and can be used in various parts of a SQL statement, such as SELECT, INSERT, UPDATE, or DELETE statements.

Subqueries can be used to retrieve data based on conditions, perform calculations, filter results, or even modify data.

Example dataset




	customer_id	customer_name	city
▶	101	john	mumbai
	102	alice	pune
	103	bob	bangalore

	order_id	customer_id	amount
▶	1	101	500
	2	102	700
	3	103	300
	4	101	400

Retrieve the names of customers who have placed orders with a total amount greater than 500

```
13 • SELECT customer_name
14     FROM customer
15     WHERE customer_id IN (
16         SELECT customer_id
17         FROM orders WHERE amount >= 500);
```

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	customer_name
▶	john
	alice

Details of customers, whose order amount is more than 400 with same ID's.

```
19 • SELECT customer_name, city
20     FROM customer c
21     WHERE EXISTS (
22         SELECT customer_id, amount FROM orders o
23         WHERE o.customer_id= c.customer_id
24         AND amount > 400);
```

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	customer_name	city
▶	john	mumbai
	alice	pune



THANK YOU!!!

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