

Task6 - Microsoft SQL Server

onecompiler.com/sqlserver/43tf93p22

OneCompiler

LOGIN

queries.sqlTask6

AI NEW SQLSERVER RUN

```
33 (2, 'Jane', 'Smith', 'Canada', 34),
34 (3, 'Michael', 'Brown', 'UK', 41),
35 (4, 'Emily', 'Davis', 'USA', 20);
36
37 INSERT INTO Orders VALUES
38 (101, 1, 'Laptop', 1200.00, '2024-01-15'),
39 (102, 2, 'Tablet', 600.00, '2024-02-12'),
40 (103, 1, 'Mouse', 25.00, '2024-02-20'),
41 (104, 3, 'Laptop', 1300.00, '2024-03-10'),
42 (105, 4, 'Keyboard', 45.00, '2024-03-15'),
43 (106, 2, 'Laptop', 1100.00, '2024-04-05');
44
45 INSERT INTO Products VALUES
46 (1, 'Laptop', 'Electronics', 1200.00),
47 (2, 'Tablet', 'Electronics', 600.00),
48 (3, 'Mouse', 'Accessories', 25.00),
49 (4, 'Keyboard', 'Accessories', 45.00);
50
51 -- 3. Query 1: Subquery in WHERE clause
52 -- Find customers who spent more than average order amount
53 SELECT first_name, last_name
54 FROM Customers
55 WHERE customer_id IN (
56     SELECT customer_id
57     FROM Orders
58     GROUP BY customer_id
59     HAVING SUM(amount) > (
60         SELECT AVG(amount) FROM Orders
61     )
62 );
63
64
```

STDIN

Input for the program (Optional)

Output:

first\_name

-----

John

Jane

Michael

Type here to search

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10:15 12-08-2025

Task6 - Microsoft SQL Server

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OneCompiler

LOGIN

queries.sqlTask6

SQLSERVERRUN

```
29
30 -- 2. Insert sample data
31 INSERT INTO Customers VALUES
32 (1, 'John', 'Doe', 'USA', 28),
33 (2, 'Jane', 'Smith', 'Canada', 34),
34 (3, 'Michael', 'Brown', 'UK', 41),
35 (4, 'Emily', 'Davis', 'USA', 29);
36
37 INSERT INTO Orders VALUES
38 (101, 1, 'Laptop', 1200.00, '2024-01-15'),
39 (102, 2, 'Tablet', 600.00, '2024-02-12'),
40 (103, 1, 'Mouse', 25.00, '2024-02-20'),
41 (104, 3, 'Laptop', 1300.00, '2024-03-10'),
42 (105, 4, 'Keyboard', 45.00, '2024-03-15'),
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44
45 INSERT INTO Products VALUES
46 (1, 'Laptop', 'Electronics', 1200.00),
47 (2, 'Tablet', 'Electronics', 600.00),
48 (3, 'Mouse', 'Accessories', 25.00),
49 (4, 'Keyboard', 'Accessories', 45.00);
50
51 -- 4. Query 2: Scalar subquery in SELECT clause
52 -- Show each customer's total spending
53 SELECT
54     first_name,
55     last_name,
56     (SELECT SUM(amount)
57      FROM Orders
58      WHERE Orders.customer_id = Customers.customer_id) AS total_spent
59 FROM Customers;
```

STDIN

Input for the program (Optional)

Output:

first\_name

-----

John

Jane

Michael

Emily

Type here to search

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12-08-2025

43tf9ryxw - SQLite - OneCompi

onecompiler.com/sqlite/43tf9ryxw

OneCompiler

LOGIN

queries.sql43tf9ryxw

AI NEW SQLITE RUN

```
27 -- 2. Insert sample data
28 INSERT INTO Customers VALUES
29 (1, 'John', 'Doe', 'USA', 28),
30 (2, 'Jane', 'Smith', 'Canada', 34),
31 (3, 'Michael', 'Brown', 'UK', 41),
32 (4, 'Emily', 'Davis', 'USA', 29);
33
34 INSERT INTO Orders VALUES
35 (101, 1, 'Laptop', 1200.00, '2024-01-15'),
36 (102, 2, 'Tablet', 600.00, '2024-02-12'),
37 (103, 1, 'Mouse', 25.00, '2024-02-20'),
38 (104, 3, 'Laptop', 1300.00, '2024-03-10'),
39 (105, 4, 'Keyboard', 45.00, '2024-03-15'),
40 (106, 2, 'Laptop', 1100.00, '2024-04-05');
41
42 INSERT INTO Products VALUES
43 (1, 'Laptop', 'Electronics', 1200.00),
44 (2, 'Tablet', 'Electronics', 600.00),
45 (3, 'Mouse', 'Accessories', 25.00),
46 (4, 'Keyboard', 'Accessories', 45.00);
47
48
49 -- 5. Query 3: Subquery in FROM clause (Derived Table)
50 -- Customers whose spending is above 500
51 SELECT first_name, last_name, total_spent
52 FROM (
53     SELECT c.customer_id, c.first_name, c.last_name, SUM(o.amount) AS total_spent
54     FROM Customers c
55     JOIN Orders o ON c.customer_id = o.customer_id
56     GROUP BY c.customer_id
57 ) AS spending
58 WHERE total_spent > 500;
```

STDIN

Input for the program (Optional)

Output:

John|Doe|1225  
Jane|Smith|1700  
Michael|Brown|1300

Type here to search

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43tf9ryxw - SQLite - OneCompiler

onecompiler.com/sqlite/43tf9ryxw

OneCompiler

LOGIN

queries.sql43tf9ryxw

AI NEW SQLITE RUN

```
27 -- 2. Insert sample data
28 INSERT INTO Customers VALUES
29 (1, 'John', 'Doe', 'USA', 28),
30 (2, 'Jane', 'Smith', 'Canada', 34),
31 (3, 'Michael', 'Brown', 'UK', 41),
32 (4, 'Emily', 'Davis', 'USA', 29);
33
34 INSERT INTO Orders VALUES
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37 (103, 1, 'Mouse', 25.00, '2024-02-20'),
38 (104, 3, 'Laptop', 1300.00, '2024-03-10'),
39 (105, 4, 'Keyboard', 45.00, '2024-03-15'),
40 (106, 2, 'Laptop', 1100.00, '2024-04-05');
41
42 INSERT INTO Products VALUES
43 (1, 'Laptop', 'Electronics', 1200.00),
44 (2, 'Tablet', 'Electronics', 600.00),
45 (3, 'Mouse', 'Accessories', 25.00),
46 (4, 'Keyboard', 'Accessories', 45.00);
47
48
49 -- 6. Query 4: EXISTS example
50 -- Find customers who bought 'Laptop'
51 SELECT first_name, last_name
52 FROM Customers c
53 WHERE EXISTS (
54     SELECT 1
55     FROM Orders o
56     WHERE o.customer_id = c.customer_id
57     AND o.item = 'Laptop'
58 );
```

STDIN

Input for the program (Optional)

Output:

John | Doe  
Jane | Smith  
Michael | Brown

Type here to search

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10:20  
12-08-2025