

< Input



Run SQL

```
-- Customers who spent more than the average total
SELECT name
FROM Customers
WHERE customer_id IN (
    SELECT customer_id
    FROM Orders
    GROUP BY customer_id
    HAVING SUM(total_amount) > (
        SELECT AVG(total_amount)
        FROM Orders
    )
);
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```
-- View for total order value per product
CREATE VIEW ProductSales AS
SELECT p.product_id, p.name, SUM(od.quantity * p.price) AS total_sales
FROM Products p
JOIN OrderDetails od ON p.product_id = od.product_id
GROUP BY p.product_id, p.name;
|
```

Input



Run SQL

```
-- Create index to speed up customer_id lookups in Orders
CREATE INDEX idx_orders_customer_id ON Orders(customer_id);
|
```



Input



Run SQL

-- Show customers and their orders (even if they haven't made any)

SELECT c.name, o.order_id, o.total_amount

FROM Customers c

LEFT JOIN Orders o ON c.customer_id = o.customer_id;

|

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Run SQL

```
-- Get product details for each order
SELECT o.order_id, p.name AS product_name, od.quantity
FROM Orders o
JOIN OrderDetails od ON o.order_id = od.order_id
JOIN Products p ON od.product_id = p.product_id;
|
```

Input



Run SQL

```
-- Total revenue per customer
SELECT c.customer_id, c.name, SUM(o.total_amount) AS total_spent
FROM Customers c
JOIN Orders o ON c.customer_id = o.customer_id
GROUP BY c.customer_id, c.name
ORDER BY total_spent DESC;
```


Input



Run SQL

```
-- Customers from USA ordered by name
```

```
SELECT name, email
```

```
FROM Customers
```

```
WHERE country = 'USA'
```

```
ORDER BY name ASC;
```

```
|
```