# Basic SQL Training Questions Answer

-- Step 1: Create Database
CREATE DATABASE e_commerce;
USE e_commerce;

```
mysql> CREATE DATABASE e_commerce;
Query OK, 1 row affected (0.03 sec)

mysql> USE e_commerce;
Database changed
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| e_commerce         |
| information_schema |
| mysql              |
| org                |
| performance_schema |
+--------------------+
5 rows in set (0.00 sec)
```

 -- Step 2: Create Tables
CREATE TABLE Customers (
    customer_id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(50),
    email VARCHAR(50),
    mobile VARCHAR(15)
);

```
mysql> CREATE TABLE Customers (
    ->     customer_id INT AUTO_INCREMENT PRIMARY KEY,
    ->     name VARCHAR(50),
    ->     email VARCHAR(50),
    ->     mobile VARCHAR(15)
    -> );
Query OK, 0 rows affected (0.04 sec)
```

CREATE TABLE Products (

```
    id INT,
    name VARCHAR(50) NOT NULL,
    description VARCHAR(200),
    price DECIMAL(10,2) NOT NULL,
    category VARCHAR(50)
);
```

```
mysql> CREATE TABLE Products (
    ->     id INT,
    ->     name VARCHAR(50) NOT NULL,
    ->     description VARCHAR(200),
    ->     price DECIMAL(10,2) NOT NULL,
    ->     category VARCHAR(50)
    -> );
Query OK, 0 rows affected (0.04 sec)
```

-- step 3:  Modify Tables
ALTER TABLE Customers MODIFY name VARCHAR(50) NOT NULL;

```
mysql> ALTER TABLE Customers MODIFY name VARCHAR(50) NOT NULL;
Query OK, 0 rows affected (0.08 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

ALTER TABLE Customers MODIFY email VARCHAR(50) NOT NULL;

```
mysql> ALTER TABLE Customers MODIFY email VARCHAR(50) NOT NULL;
Query OK, 0 rows affected (0.13 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

ALTER TABLE Customers ADD UNIQUE (email);

```
mysql> ALTER TABLE Customers ADD UNIQUE (email);
Query OK, 0 rows affected (0.05 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

ALTER TABLE Customers ADD COLUMN age INT;

```
mysql> ALTER TABLE Customers ADD COLUMN age INT;
Query OK, 0 rows affected (0.06 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

ALTER TABLE Products CHANGE COLUMN id product_id INT;

```
mysql> ALTER TABLE Products CHANGE COLUMN id product_id INT;
Query OK, 0 rows affected (0.07 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

ALTER TABLE Products MODIFY product_id INT PRIMARY KEY AUTO_INCREMENT;

```
mysql> ALTER TABLE Products MODIFY product_id INT PRIMARY KEY AUTO_INCREMENT;
Query OK, 0 rows affected (0.16 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

ALTER TABLE Products MODIFY description TEXT;

```
mysql> ALTER TABLE Products MODIFY description TEXT;
Query OK, 0 rows affected (0.17 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

-- step 4: create order table
CREATE TABLE Orders (
    order_id INT AUTO_INCREMENT PRIMARY KEY,
    customer_id INT,
    product_id INT,
    quantity INT NOT NULL,
    order_date DATE NOT NULL,
    status ENUM('Pending', 'Success', 'Cancel'),
    payment_method ENUM('Credit', 'Debit', 'UPI'),
    total_amount DECIMAL(10,2) NOT NULL,
                FOREIGN    KEY    (customer_id)    REFERENCES
Customers(customer_id),
    FOREIGN KEY (product_id) REFERENCES Products(product_id)
);

```
mysql> CREATE TABLE Orders (
    ->     order_id INT AUTO_INCREMENT PRIMARY KEY,
    ->     customer_id INT,
    ->     product_id INT,
    ->     quantity INT NOT NULL,
    ->     order_date DATE NOT NULL,
    ->     status ENUM('Pending', 'Success', 'Cancel'),
    ->     payment_method ENUM('Credit', 'Debit', 'UPI'),
    ->     total_amount DECIMAL(10,2) NOT NULL,
    ->     FOREIGN KEY (customer_id) REFERENCES Customers(customer_id),
    ->     FOREIGN KEY (product_id) REFERENCES Products(product_id)
    -> );
Query OK, 0 rows affected (0.10 sec)
```

-- step 5: modify order table

ALTER TABLE Orders MODIFY status ENUM('Pending', 'Success', 'Cancel') DEFAULT 'Pending';

```
mysql> ALTER TABLE Orders MODIFY status ENUM('Pending', 'Success', 'Cancel') DEFAULT 'Pending';
Query OK, 0 rows affected (0.04 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

ALTER TABLE Orders MODIFY payment_method ENUM('Credit', 'Debit', 'UPI', 'COD');

```
mysql> ALTER TABLE Orders MODIFY payment_method ENUM('Credit', 'Debit', 'UPI', 'COD');
Query OK, 0 rows affected (0.04 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

ALTER TABLE Orders ADD FOREIGN KEY (product_id) REFERENCES Products(product_id);

```
mysql> ALTER TABLE Orders ADD FOREIGN KEY (product_id) REFERENCES Products(product_id);
Query OK, 0 rows affected (0.20 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

-- step 6: Insert some sample records in all the tables.

INSERT INTO Customers (name, email, mobile, age) VALUES
('John Doe', 'john@example.com', '1234567890', 25),
('Jane Smith', 'jane@example.com', '0987654321', 30),
('Alice Johnson', 'alice@example.com', '2345678901', 28),
('Bob Brown', 'bob@example.com', '3456789012', 35),
('Charlie White', 'charlie@example.com', '4567890123', 40),
('David Green', 'david@example.com', '5678901234', 22),
('Emily Adams', 'emily@example.com', '6789012345', 27),
('Frank Carter', 'frank@example.com', '7890123456', 32),
('Grace Hall', 'grace@example.com', '8901234567', 29),
('Henry Lee', 'henry@example.com', '9012345678', 31),
('Isabella King', 'isabella@example.com', '0123456789', 26),
('Jack Martin', 'jack@example.com', '1234509876', 37),
('Katherine Scott', 'katherine@example.com', '2345609875', 24),
('Liam Turner', 'liam@example.com', '3456709874', 33),
('Mia Walker', 'mia@example.com', '4567809873', 36),
('Noah Young', 'noah@example.com', '5678909872', 29),

('Olivia Baker', 'olivia@example.com', '6789009871', 23),
('Paul Harris', 'paul@example.com', '7890009870', 34),
('Quinn Nelson', 'quinn@example.com', '8900009869', 28),
('Rachel Moore', 'rachel@example.com', '9000009868', 21);

```
mysql> INSERT INTO Customers (name, email, mobile, age) VALUES
    -> ('John Doe', 'john@example.com', '1234567890', 25),
    -> ('Jane Smith', 'jane@example.com', '0987654321', 30),
    -> ('Alice Johnson', 'alice@example.com', '2345678901', 28),
    -> ('Bob Brown', 'bob@example.com', '3456789012', 35),
    -> ('Charlie White', 'charlie@example.com', '4567890123', 40),
    -> ('David Green', 'david@example.com', '5678901234', 22),
    -> ('Emily Adams', 'emily@example.com', '6789012345', 27),
    -> ('Frank Carter', 'frank@example.com', '7890123456', 32),
    -> ('Grace Hall', 'grace@example.com', '8901234567', 29),
    -> ('Henry Lee', 'henry@example.com', '9012345678', 31),
    -> ('Isabella King', 'isabella@example.com', '0123456789', 26),
    -> ('Jack Martin', 'jack@example.com', '1234509876', 37),
    -> ('Katherine Scott', 'katherine@example.com', '2345609875', 24),
    -> ('Liam Turner', 'liam@example.com', '3456709874', 33),
    -> ('Mia Walker', 'mia@example.com', '4567809873', 36),
    -> ('Noah Young', 'noah@example.com', '5678909872', 29),
    -> ('Olivia Baker', 'olivia@example.com', '6789009871', 23),
    -> ('Paul Harris', 'paul@example.com', '7890009870', 34),
    -> ('Quinn Nelson', 'quinn@example.com', '8900009869', 28),
    -> ('Rachel Moore', 'rachel@example.com', '9000009868', 21);
Query OK, 20 rows affected (0.07 sec)
Records: 20  Duplicates: 0  Warnings: 0
```

INSERT INTO Products (name, description, price, category) VALUES
('Laptop', 'Gaming laptop', 799.99, 'Electronics'),
('Smartphone', 'Latest model', 499.99, 'Electronics'),
('Headphones', 'Noise-canceling', 99.99, 'Electronics'),
('Keyboard', 'Mechanical keyboard', 69.99, 'Electronics'),
('Mouse', 'Wireless mouse', 39.99, 'Electronics'),
('Monitor', '27-inch 4K display', 299.99, 'Electronics'),
('Tablet', '10-inch display', 199.99, 'Electronics'),
('Smartwatch', 'Fitness tracking', 149.99, 'Electronics'),
('Bluetooth Speaker', 'Portable speaker', 79.99, 'Electronics'),
('Camera', 'Digital camera', 399.99, 'Electronics'),
('Coffee Maker', 'Automatic machine', 89.99, 'Home Appliances'),
('Vacuum Cleaner', 'Cordless vacuum', 149.99, 'Home Appliances'),
('Microwave', 'Countertop microwave', 129.99, 'Home Appliances'),
('Refrigerator', 'Double-door fridge', 899.99, 'Home Appliances'),
('Washing Machine', 'Front-load washing machine', 499.99, 'Home Appliances'),

('Sofa', 'Leather sofa', 699.99, 'Furniture'),
('Dining Table', 'Wooden dining table', 349.99, 'Furniture'),
('Chair', 'Ergonomic office chair', 119.99, 'Furniture'),
('Bed', 'Queen-size bed frame', 599.99, 'Furniture'),
('Bookshelf', '5-tier bookshelf', 99.99, 'Furniture');

```
mysql> INSERT INTO Products (name, description, price, category) VALUES
    -> ('Laptop', 'Gaming laptop', 799.99, 'Electronics'),
    -> ('Smartphone', 'Latest model', 499.99, 'Electronics'),
    -> ('Headphones', 'Noise-canceling', 99.99, 'Electronics'),
    -> ('Keyboard', 'Mechanical keyboard', 69.99, 'Electronics'),
    -> ('Mouse', 'Wireless mouse', 39.99, 'Electronics'),
    -> ('Monitor', '27-inch 4K display', 299.99, 'Electronics'),
    -> ('Tablet', '10-inch display', 199.99, 'Electronics'),
    -> ('Smartwatch', 'Fitness tracking', 149.99, 'Electronics'),
    -> ('Bluetooth Speaker', 'Portable speaker', 79.99, 'Electronics'),
    -> ('Camera', 'Digital camera', 399.99, 'Electronics'),
    -> ('Coffee Maker', 'Automatic machine', 89.99, 'Home Appliances'),
    -> ('Vacuum Cleaner', 'Cordless vacuum', 149.99, 'Home Appliances'),
    -> ('Microwave', 'Countertop microwave', 129.99, 'Home Appliances'),
    -> ('Refrigerator', 'Double-door fridge', 899.99, 'Home Appliances'),
    -> ('Washing Machine', 'Front-load washing machine', 499.99, 'Home Appliances'),
    -> ('Sofa', 'Leather sofa', 699.99, 'Furniture'),
    -> ('Dining Table', 'Wooden dining table', 349.99, 'Furniture'),
    -> ('Chair', 'Ergonomic office chair', 119.99, 'Furniture'),
    -> ('Bed', 'Queen-size bed frame', 599.99, 'Furniture'),
    -> ('Bookshelf', '5-tier bookshelf', 99.99, 'Furniture');
Query OK, 20 rows affected (0.01 sec)
Records: 20  Duplicates: 0  Warnings: 0
```

INSERT INTO Orders (customer_id, product_id, quantity, order_date, status, payment_method, total_amount) VALUES
(1, 2, 1, '2025-02-01', 'Success', 'Credit', 499.99),
(3, 4, 2, '2025-02-02', 'Pending', 'UPI', 139.98),
(5, 6, 1, '2025-02-03', 'Success', 'Debit', 299.99),
(7, 8, 1, '2025-02-04', 'Success', 'Credit', 149.99),
(9, 10, 2, '2025-02-05', 'Pending', 'COD', 799.98),
(11, 12, 1, '2025-02-06', 'Success', 'UPI', 149.99),
(13, 14, 1, '2025-02-07', 'Pending', 'Credit', 899.99),
(15, 16, 1, '2025-02-08', 'Success', 'Debit', 699.99),
(17, 18, 1, '2025-02-09', 'Success', 'Credit', 119.99),
(19, 20, 1, '2025-02-10', 'Pending', 'COD', 99.99),
(2, 1, 3, '2025-02-11', 'Success', 'Credit', 1499.97),
(4, 3, 2, '2025-02-12', 'Pending', 'UPI', 279.98),
(6, 5, 1, '2025-02-13', 'Success', 'Debit', 39.99),
(8, 7, 2, '2025-02-14', 'Pending', 'Credit', 399.98),
(10, 9, 1, '2025-02-15', 'Success', 'COD', 79.99),
(12, 11, 3, '2025-02-16', 'Pending', 'UPI', 269.97),

(14, 13, 2, '2025-02-17', 'Success', 'Credit', 259.98),
(16, 15, 1, '2025-02-18', 'Pending', 'Debit', 499.99),
(18, 17, 2, '2025-02-19', 'Success', 'Credit', 699.98),
(20, 19, 1, '2025-02-20', 'Pending', 'COD', 99.99);

```
mysql> INSERT INTO Orders (customer_id, product_id, quantity, order_date, status, payment_method, total_amount) VALUES
    -> (1, 2, 1, '2025-02-01', 'Success', 'Credit', 499.99),
    -> (3, 4, 2, '2025-02-02', 'Pending', 'UPI', 139.98),
    -> (5, 6, 1, '2025-02-03', 'Success', 'Debit', 299.99),
    -> (7, 8, 1, '2025-02-04', 'Success', 'Credit', 149.99),
    -> (9, 10, 2, '2025-02-05', 'Pending', 'COD', 799.98),
    -> (11, 12, 1, '2025-02-06', 'Success', 'UPI', 149.99),
    -> (13, 14, 1, '2025-02-07', 'Pending', 'Credit', 899.99),
    -> (15, 16, 1, '2025-02-08', 'Success', 'Debit', 699.99),
    -> (17, 18, 1, '2025-02-09', 'Success', 'Credit', 119.99),
    -> (19, 20, 1, '2025-02-10', 'Pending', 'COD', 99.99),
    -> (2, 1, 3, '2025-02-11', 'Success', 'Credit', 1499.97),
    -> (4, 3, 2, '2025-02-12', 'Pending', 'UPI', 279.98),
    -> (6, 5, 1, '2025-02-13', 'Success', 'Debit', 39.99),
    -> (8, 7, 2, '2025-02-14', 'Pending', 'Credit', 399.98),
    -> (10, 9, 1, '2025-02-15', 'Success', 'COD', 79.99),
    -> (12, 11, 3, '2025-02-16', 'Pending', 'UPI', 269.97),
    -> (14, 13, 2, '2025-02-17', 'Success', 'Credit', 259.98),
    -> (16, 15, 1, '2025-02-18', 'Pending', 'Debit', 499.99),
    -> (18, 17, 2, '2025-02-19', 'Success', 'Credit', 699.98),
    -> (20, 19, 1, '2025-02-20', 'Pending', 'COD', 99.99);
Query OK, 20 rows affected (0.03 sec)
Records: 20  Duplicates: 0  Warnings: 0
```

-- step 7: Perform following queries:

SELECT category, COUNT(*) AS product_count FROM Products GROUP BY category;

```
mysql> SELECT category, COUNT(*) AS product_count FROM Products GROUP BY category;
+----------------+---------------+
| category       | product_count |
+----------------+---------------+
| Electronics    |            10 |
| Home Appliances |            5 |
| Furniture      |             5 |
+----------------+---------------+
3 rows in set (0.00 sec)
```

SELECT * FROM Products
WHERE category = 'Electronics'
AND price BETWEEN 50 AND 500
AND name LIKE '%a%';

```
mysql> SELECT * FROM Products
    -> WHERE category = 'Electronics'
    -> AND price BETWEEN 50 AND 500
    -> AND name LIKE '%a%';
+------------+------------------+---------------------+--------+-------------+
| product_id | name             | description         | price  | category    |
+------------+------------------+---------------------+--------+-------------+
|          2 | Smartphone       | Latest model        | 499.99 | Electronics |
|          3 | Headphones       | Noise-canceling     |  99.99 | Electronics |
|          4 | Keyboard         | Mechanical keyboard |  69.99 | Electronics |
|          7 | Tablet           | 10-inch display     | 199.99 | Electronics |
|          8 | Smartwatch       | Fitness tracking    | 149.99 | Electronics |
|          9 | Bluetooth Speaker | Portable speaker   |  79.99 | Electronics |
|         10 | Camera           | Digital camera      | 399.99 | Electronics |
+------------+------------------+---------------------+--------+-------------+
7 rows in set (0.00 sec)
```

SELECT * FROM Products
WHERE category = 'Electronics'
ORDER BY price DESC
LIMIT 5 OFFSET 2;

```
mysql> SELECT * FROM Products
    -> WHERE category = 'Electronics'
    -> ORDER BY price DESC
    -> LIMIT 5 OFFSET 2;
+------------+------------+-------------------+--------+-------------+
| product_id | name       | description       | price  | category    |
+------------+------------+-------------------+--------+-------------+
|         10 | Camera     | Digital camera    | 399.99 | Electronics |
|          6 | Monitor    | 27-inch 4K display | 299.99 | Electronics |
|          7 | Tablet     | 10-inch display   | 199.99 | Electronics |
|          8 | Smartwatch | Fitness tracking  | 149.99 | Electronics |
|          3 | Headphones | Noise-canceling   |  99.99 | Electronics |
+------------+------------+-------------------+--------+-------------+
5 rows in set (0.00 sec)
```

SELECT * FROM Customers
WHERE customer_id NOT IN (SELECT DISTINCT customer_id FROM
Orders);

```
mysql> SELECT * FROM Customers
    -> WHERE customer_id NOT IN (SELECT DISTINCT customer_id FROM Orders);
Empty set (0.02 sec)
```

SELECT customer_id, AVG(total_amount) AS avg_spent
FROM Orders GROUP BY customer_id;

```
mysql> SELECT customer_id, AVG(total_amount) AS avg_spent
    -> FROM Orders GROUP BY customer_id;
+-------------+-------------+
| customer_id | avg_spent   |
+-------------+-------------+
|           1 |  499.990000 |
|           2 | 1499.970000 |
|           3 |  139.980000 |
|           4 |  279.980000 |
|           5 |  299.990000 |
|           6 |   39.990000 |
|           7 |  149.990000 |
|           8 |  399.980000 |
|           9 |  799.980000 |
|          10 |   79.990000 |
|          11 |  149.990000 |
|          12 |  269.970000 |
|          13 |  899.990000 |
|          14 |  259.980000 |
|          15 |  699.990000 |
|          16 |  499.990000 |
|          17 |  119.990000 |
|          18 |  699.980000 |
|          19 |   99.990000 |
|          20 |   99.990000 |
+-------------+-------------+
20 rows in set (0.01 sec)
```

SELECT * FROM Products
WHERE price < (SELECT AVG(price) FROM Products);

```
mysql> SELECT * FROM Products
    -> WHERE price < (SELECT AVG(price) FROM Products);
+------------+------------------+----------------------+--------+-----------------+
| product_id | name             | description          | price  | category        |
+------------+------------------+----------------------+--------+-----------------+
|          3 | Headphones       | Noise-canceling      |  99.99 | Electronics     |
|          4 | Keyboard         | Mechanical keyboard  |  69.99 | Electronics     |
|          5 | Mouse            | Wireless mouse       |  39.99 | Electronics     |
|          6 | Monitor          | 27-inch 4K display   | 299.99 | Electronics     |
|          7 | Tablet           | 10-inch display      | 199.99 | Electronics     |
|          8 | Smartwatch       | Fitness tracking     | 149.99 | Electronics     |
|          9 | Bluetooth Speaker | Portable speaker     |  79.99 | Electronics     |
|         11 | Coffee Maker     | Automatic machine    |  89.99 | Home Appliances |
|         12 | Vacuum Cleaner   | Cordless vacuum      | 149.99 | Home Appliances |
|         13 | Microwave        | Countertop microwave | 129.99 | Home Appliances |
|         18 | Chair            | Ergonomic office chair | 119.99 | Furniture     |
|         20 | Bookshelf        | 5-tier bookshelf     |  99.99 | Furniture       |
+------------+------------------+----------------------+--------+-----------------+
12 rows in set (0.01 sec)
```

SELECT customer_id, SUM(quantity) AS total_quantity
FROM Orders GROUP BY customer_id;

```
mysql> SELECT customer_id, SUM(quantity) AS total_quantity
    -> FROM Orders GROUP BY customer_id;
+-------------+----------------+
| customer_id | total_quantity |
+-------------+----------------+
|           1 |              1 |
|           2 |              3 |
|           3 |              2 |
|           4 |              2 |
|           5 |              1 |
|           6 |              1 |
|           7 |              1 |
|           8 |              2 |
|           9 |              2 |
|          10 |              1 |
|          11 |              1 |
|          12 |              3 |
|          13 |              1 |
|          14 |              2 |
|          15 |              1 |
|          16 |              1 |
|          17 |              1 |
|          18 |              2 |
|          19 |              1 |
|          20 |              1 |
+-------------+----------------+
20 rows in set (0.00 sec)
```

SELECT Orders.order_id, Customers.name AS customer_name, Products.name AS product_name, Orders.quantity, Orders.order_date, Orders.status
FROM Orders
JOIN Customers ON Orders.customer_id = Customers.customer_id
JOIN Products ON Orders.product_id = Products.product_id;

```
mysql> SELECT Orders.order_id, Customers.name AS customer_name, Products.name AS product_name, Orders.quantity, Orders.order_date, Orders.status
    -> FROM Orders
    -> JOIN Customers ON Orders.customer_id = Customers.customer_id
    -> JOIN Products ON Orders.product_id = Products.product_id;
+----------+----------------+-------------------+----------+------------+---------+
| order_id | customer_name  | product_name      | quantity | order_date | status  |
+----------+----------------+-------------------+----------+------------+---------+
|        1 | John Doe       | Smartphone        |        1 | 2025-02-01 | Success |
|        2 | Alice Johnson  | Keyboard          |        2 | 2025-02-02 | Pending |
|        3 | Charlie White  | Monitor           |        1 | 2025-02-03 | Success |
|        4 | Emily Adams    | Smartwatch        |        1 | 2025-02-04 | Success |
|        5 | Grace Hall     | Camera            |        2 | 2025-02-05 | Pending |
|        6 | Isabella King  | Vacuum Cleaner    |        1 | 2025-02-06 | Success |
|        7 | Katherine Scott| Refrigerator      |        1 | 2025-02-07 | Pending |
|        8 | Mia Walker     | Sofa              |        1 | 2025-02-08 | Success |
|        9 | Olivia Baker   | Chair             |        1 | 2025-02-09 | Success |
|       10 | Quinn Nelson   | Bookshelf         |        1 | 2025-02-10 | Pending |
|       11 | Jane Smith     | Laptop            |        3 | 2025-02-11 | Success |
|       12 | Bob Brown      | Headphones        |        2 | 2025-02-12 | Pending |
|       13 | David Green    | Mouse             |        1 | 2025-02-13 | Success |
|       14 | Frank Carter   | Tablet            |        2 | 2025-02-14 | Pending |
|       15 | Henry Lee      | Bluetooth Speaker |        1 | 2025-02-15 | Success |
|       16 | Jack Martin    | Coffee Maker      |        3 | 2025-02-16 | Pending |
|       17 | Liam Turner    | Microwave         |        2 | 2025-02-17 | Success |
|       18 | Noah Young     | Washing Machine   |        1 | 2025-02-18 | Pending |
|       19 | Paul Harris    | Dining Table      |        2 | 2025-02-19 | Success |
|       20 | Rachel Moore   | Bed               |        1 | 2025-02-20 | Pending |
+----------+----------------+-------------------+----------+------------+---------+
20 rows in set (0.00 sec)
```

SELECT * FROM Products

WHERE product_id NOT IN (SELECT DISTINCT product_id FROM Orders);

```
mysql> SELECT * FROM Products
    -> WHERE product_id NOT IN (SELECT DISTINCT product_id FROM Orders);
Empty set (0.00 sec)
```