```
Creating the table
CREATE TABLE reaction (
  id INT AUTO_INCREMENT PRIMARY KEY,
  user_name VARCHAR(100),
  reaction_type VARCHAR(20),
  post_id INT,
  created_at DATETIME,
  location VARCHAR(100),
  mood_level INT,
  comment TEXT
);
Inserting the data
INSERT INTO reaction (user_name, reaction_type, post_id, created_at, location, mood_level,
comment) VALUES
('Alice', 'like', 101, '2025-08-07 10:15:00', 'New York', 8, 'Nice post!'),
('Bob', 'love', 102, '2025-08-06 14:20:00', 'Los Angeles', 9, 'Awesome!'),
('Charlie', 'angry', 101, '2025-08-05 09:10:00', 'Chicago', 3, NULL),
('Diana', 'wow', 103, '2025-08-07 08:30:00', 'Miami', 7, 'Interesting point.'),
('Ethan', 'sad', 104, '2025-08-04 16:45:00', 'Dallas', 2, NULL),
('Fiona', 'love', 102, '2025-08-07 12:00:00', 'Boston', 6, 'Well said.'),
('George', 'like', 105, '2025-08-03 11:25:00', 'Seattle', 5, NULL),
('Hannah', 'like', 106, '2025-08-07 15:50:00', 'Denver', 9, 'Completely agree!'),
('lan', 'angry', 107, '2025-08-06 13:15:00', 'Phoenix', 4, 'Not okay with this.'),
('Jane', 'sad', 108, '2025-08-02 18:40:00', 'Atlanta', 1, NULL),
('Sam', 'like', 101, '2025-08-07 10:50:00', 'New York', 8, 'NULL'),
('Anita', 'wow', 109, '2025-08-01 20:10:00', 'Houston', 7, NULL),
('Brian', 'love', 110, '2025-08-07 09:05:00', 'San Francisco', 10, 'Fantastic work!'),
('Catherine', 'like', 111, '2025-08-07 08:55:00', 'New York', 6, NULL),
```

```
('Daniel', 'angry', 112, '2025-08-05 17:35:00', 'Chicago', 2, NULL);
```

```
LIKE
Write a query to find all reactions made by users whose names start with the letter 'A'.
ANS:
mysql> select * from reaction where user_name like 'A%';
| id | user_name | reaction_type | post_id | created_at | location | mood_level | comment
1 | Alice | like | 101 | 2025-08-07 10:15:00 | New York | 8 | Nice post! |
| 12 | Anita | wow | 109 | 2025-08-01 20:10:00 | Houston | 7 | NULL |
AS (Alias)
Write a query to display user_name as Reactor and reaction_type as Type.
ANS: mysql> select user_name as reactor, reaction_type as type from reaction;
+----+
| reactor | type |
+----+
| Alice | like |
| Bob | love |
| Charlie | angry |
| Diana | wow |
| Ethan | sad |
| Fiona | love |
| George | like |
| Hannah | like |
    | angry |
lan
| Jane | sad |
| Sam | like |
| Anita | wow |
```

| Brian | love |

Catherine like
Daniel angry
++
BETWEEN Write a query to find all reactions where the mood level is between 4 and 8.
ANS: mysql>select reaction_type,mood_level from reaction where mood_level between 4 and 8;
++
reaction_type mood_level
++
like
wow
love
like
angry
like
wow 7
like
++
AND Write a query to get all reactions where the type is 'like' and the mood level is above 7.
ANS: mysql> select * from reaction where reaction_type='like' and mood_level>7;
++
id user_name reaction_type post_id created_at location mood_level comment
++
1 Alice like 101 2025-08-07 10:15:00 New York 8 Nice post!
8 Hannah like 106 2025-08-07 15:50:00 Denver 9 Completely agree!
11 Sam like 101 2025-08-07 10:50:00 New York 8 NULL
+++

Write a query to list all reactions where the type is either 'love' or 'angry'.

```
ANS: mysql> select * from reaction where reaction_type='like' or reaction_type='angry';
| id | user_name | reaction_type | post_id | created_at | location | mood_level | comment
101 | 2025-08-07 10:15:00 | New York |
| 1 | Alice | like
                                                    8 | Nice post!
                 | 101 | 2025-08-05 09:10:00 | Chicago | 3 | NULL
3 | Charlie | angry
7 | George | like
                  | 105 | 2025-08-03 11:25:00 | Seattle |
                                                    5 | NULL
8 | Hannah | like
                 | 106 | 2025-08-07 15:50:00 | Denver | 9 | Completely agree!
                 | 107 | 2025-08-06 13:15:00 | Phoenix | 4 | Not okay with this.
| 9 | Ian
        angry
          | like
| 11 | Sam
                | 101 | 2025-08-07 10:50:00 | New York |
                                                     8 | NULL
                                                                 ı
6 | NULL
| 15 | Daniel | angry | 112 | 2025-08-05 17:35:00 | Chicago |
                                                     2 | NULL
                                                                  ١
NOT
Write a query to show all reactions that are not of type 'sad'.
ANS: mysql> select * from reaction where not reaction type= 'sad';
| id | user_name | reaction_type | post_id | created_at | location | mood_level |
comment
| 1 | Alice | like
               | 101 | 2025-08-07 10:15:00 | New York | 8 | Nice post!
| 2 | Bob
                | 102 | 2025-08-06 14:20:00 | Los Angeles | 9 | Awesome!
         love
| 3 | Charlie | angry
                  | 101 | 2025-08-05 09:10:00 | Chicago
                                                       3 | NULL
                                                                   1
| 4 | Diana
                  103 | 2025-08-07 08:30:00 | Miami
                                                       7 | Interesting
          wow
point.
                 | 102 | 2025-08-07 12:00:00 | Boston
| 6 | Fiona | love
                                                      6 | Well said.
                                                                   ı
               | 105 | 2025-08-03 11:25:00 | Seattle |
7 | George | like
                                                      5 | NULL
```

```
| 8 | Hannah | like | 106 | 2025-08-07 15:50:00 | Denver |
                                                             9 | Completely
agree!
| 9 | Ian
                   | 107 | 2025-08-06 13:15:00 | Phoenix |
                                                            4 | Not okay with
          angry
this.
                   | 101 | 2025-08-07 10:50:00 | New York |
| 11 | Sam
           | like
                                                             8 | NULL
                                                                          | 12 | Anita
          wow
                        109 | 2025-08-01 20:10:00 | Houston |
                                                              7 | NULL
| 13 | Brian
                    | 110 | 2025-08-07 09:05:00 | San Francisco |
                                                              10 | Fantastic
           love
work! |
                   | 111 | 2025-08-07 08:55:00 | New York |
| 14 | Catherine | like
                                                               6 | NULL
| 15 | Daniel | angry | 112 | 2025-08-05 17:35:00 | Chicago |
                                                              2 | NULL
IN
Write a query to find all reactions where the reaction type is 'like', 'wow', or 'love'.
ANS: mysql> select * from reaction where reaction type in('like','wow','love');
| id | user_name | reaction_type | post_id | created_at | location | mood_level |
comment
| 101 | 2025-08-07 10:15:00 | New York | 8 | Nice post!
| 1 | Alice
        | like
| 2 | Bob
          love
                  | 102 | 2025-08-06 14:20:00 | Los Angeles | 9 | Awesome!
| 4 | Diana
          l wow
                   | 103 | 2025-08-07 08:30:00 | Miami
                                                        1
                                                             7 | Interesting
point.
6 | Fiona | love
                      102 | 2025-08-07 12:00:00 | Boston
                                                            6 | Well said.
                                                                          -
7 | George | like
                   | 105 | 2025-08-03 11:25:00 | Seattle
                                                           5 | NULL
                                                       | 8 | Hannah | like
                    | 106 | 2025-08-07 15:50:00 | Denver |
                                                            9 | Completely
agree! |
                   | 101 | 2025-08-07 10:50:00 | New York
| 11 | Sam
           | like
                                                             8 | NULL
                   | 109 | 2025-08-01 20:10:00 | Houston |
| 12 | Anita
          wow
                                                              7 | NULL
| 13 | Brian
           love
                    | 110 | 2025-08-07 09:05:00 | San Francisco |
                                                              10 | Fantastic
work! |
```

```
| 14 | Catherine | like | 111 | 2025-08-07 08:55:00 | New York | 6 | NULL
IS NULL
Write a query to display all reactions where the comment is missing (i.e., NULL).
ANS: mysql> select * from reaction where comment is null;
| id | user_name | reaction_type | post_id | created_at | location | mood_level | comment
3 | Charlie | angry | 101 | 2025-08-05 09:10:00 | Chicago | 3 | NULL |
                | 104 | 2025-08-04 16:45:00 | Dallas | 2 | NULL |
| 5 | Ethan | sad
              | 105 | 2025-08-03 11:25:00 | Seattle | 5 | NULL |
| 7 | George | like
                | 108 | 2025-08-02 18:40:00 | Atlanta | 1 | NULL |
| 10 | Jane | sad
                | 101 | 2025-08-07 10:50:00 | New York | 8 | NULL |
| 11 | Sam
         l like
| 12 | Anita | wow
                | 109 | 2025-08-01 20:10:00 | Houston | 7 | NULL |
               | 111 | 2025-08-07 08:55:00 | New York |
| 14 | Catherine | like
                                                   6 | NULL |
| 15 | Daniel | angry | 112 | 2025-08-05 17:35:00 | Chicago |
                                                   2 | NULL |
IS NOT NULL
Write a query to find all reactions that include a comment.
AND: mysql> select * from reaction where comment is not null;
| id | user_name | reaction_type | post_id | created_at | location | mood_level |
comment
1 | Alice | like | 101 | 2025-08-07 10:15:00 | New York | 8 | Nice post!
| 2 | Bob
         | love | 102 | 2025-08-06 14:20:00 | Los Angeles | 9 | Awesome!
| 4 | Diana | wow
                | 103 | 2025-08-07 08:30:00 | Miami | 7 | Interesting
point.
| 6 | Fiona | love | 102 | 2025-08-07 12:00:00 | Boston | 6 | Well said.
                                                               1
| 8 | Hannah | like | 106 | 2025-08-07 15:50:00 | Denver | 9 | Completely
agree!
```

```
| 9 | Ian
         | angry | 107 | 2025-08-06 13:15:00 | Phoenix | 4 | Not okay with
this. |
| 13 | Brian | love
                | 110 | 2025-08-07 09:05:00 | San Francisco | 10 | Fantastic
work! |
UPPER()
Write a query to show all usernames in uppercase.
ANS: mysql> select upper(user_name) from reaction;
+----+
| upper(user_name) |
+----+
ALICE
        BOB
| CHARLIE
DIANA
| ETHAN
| FIONA
| GEORGE
| HANNAH
IAN
| JANE
| SAM
ANITA
BRIAN
| CATHERINE
| DANIEL
+----+
LOWER()
Write a query to show all reaction types in lowercase.
ANS: mysql> select lower(user_name) from reaction;
+----+
| lower(user_name) |
```

+	+	
alice		
bob		
charlie	1	
diana	1	
ethan		
fiona		
george		
hannah		
ian	1	
jane		
sam	I	
anita	I	
brian		
catherine		
daniel	T.	
+	+	
LENGTH() Write a que	ry to find all users whose usernames are longer than 6 characters.	
ANS: mysql> select user_name, length(user_name) as len from reaction where length(user_name)>6;		

+----+

+----+

| Charlie | 7 |

| Catherine | 9 |

+----+

| user_name | len |

NOW()

Write a query to find all reactions made today (based on the created_at column).

ANS:mysql> select * from reaction where date_format(created_at,'%Y-%m-%d')=curdate();
id user_name reaction_type post_id created_at location mood_level comment
++
1 Alice like 101 2025-08-07 10:15:00 New York 8 Nice post!
4 Diana wow 103 2025-08-07 08:30:00 Miami 7 Interesting point.
6 Fiona love 102 2025-08-07 12:00:00 Boston 6 Well said.
8 Hannah like 106 2025-08-07 15:50:00 Denver 9 Completely agree!
11 Sam
13 Brian love 110 2025-08-07 09:05:00 San Francisco 10 Fantastic work!
14 Catherine like 111 2025-08-07 08:55:00 New York 6 NULL
+++++++++
ANS:mysql> select date(created_at) from reaction;
++
date(created_at)
++
2025-08-07
2025-08-06
2025-08-05
2025-08-07
2025-08-04
2025-08-07
2025-08-03
2025-08-07
2025-08-06

LIKE with %

Write a query to find all users whose name contains the substring 'an'.

ANS: mysql> select * from reaction where user_name like'%an%'; | id | user_name | reaction_type | post_id | created_at | location | mood_level | comment 4 | Diana | wow | 103 | 2025-08-07 08:30:00 | Miami | 7 | Interesting point. | | 5 | Ethan | sad | 104 | 2025-08-04 16:45:00 | Dallas 2 | NULL 8 | Hannah | like | 106 | 2025-08-07 15:50:00 | Denver | 9 | Completely agree! | 9 | Ian angry | 107 | 2025-08-06 13:15:00 | Phoenix | 4 | Not okay with this. | 10 | Jane | sad | 108 | 2025-08-02 18:40:00 | Atlanta | 1 | NULL | 12 | Anita | wow | 109 | 2025-08-01 20:10:00 | Houston | 7 | NULL | 110 | 2025-08-07 09:05:00 | San Francisco | | 13 | Brian | love 10 | Fantastic work! | 15 | Daniel | angry | 112 | 2025-08-05 17:35:00 | Chicago | 2 | NULL

ROUND()

Write a query to display each user's mood level rounded to the nearest 5.

ANS:mysql> select user_name, round(mood_level/5.0)*5 from reaction;

+----+

Alice	10	
Bob	10	
Charlie	5	
Diana	5	
Ethan	0	
Fiona	5	
George	5	
Hannah	10	
Ian	5	
Jane	0	
Sam	10	
Anita	5	
Brian	10	
Catherine	5	
Daniel	0	
SUBSTR + UPPER	()	
ANS: mysql> sele	show the first 2 letters of each user's nar ct upper(substring(user_name,1,2))from	-
Write a query to ANS: mysql> sele	show the first 2 letters of each user's nar ct upper(substring(user_name,1,2))from + g(user_name,1,2))	-
Write a query to ANS: mysql> sele + upper(substrin	show the first 2 letters of each user's nar ct upper(substring(user_name,1,2))from + g(user_name,1,2))	-
Write a query to ANS: mysql> sele + upper(substrin	show the first 2 letters of each user's nar ct upper(substring(user_name,1,2))from + g(user_name,1,2))	-
Write a query to ANS: mysql> sele + upper(substrin + AL	show the first 2 letters of each user's nar ct upper(substring(user_name,1,2))from + g(user_name,1,2))	-
Write a query to ANS: mysql> sele + upper(substrin + AL BO	show the first 2 letters of each user's nar ct upper(substring(user_name,1,2))from + g(user_name,1,2))	-
Write a query to ANS: mysql> sele + upper(substrin + AL BO CH	show the first 2 letters of each user's nar ct upper(substring(user_name,1,2))from + g(user_name,1,2))	-
Write a query to ANS: mysql> sele + upper(substrin + AL BO CH DI	show the first 2 letters of each user's nar ct upper(substring(user_name,1,2))from + g(user_name,1,2))	-

HA	1
IA	1
JA	1
SA	I
AN	
BR	
CA	I
DA	1
_	_

NOT IN (with values)

Write a query to find all reactions not made on posts with IDs 110, 115, or 120.

ANS:

mysql> select * from reaction where post_id not in(101,115,120);

++	++
id user_name reac	ction_type post_id created_at location mood_level
++	++
2 Bob love 	102 2025-08-06 14:20:00 Los Angeles 9 Awesome!
4 Diana wow point.	103 2025-08-07 08:30:00 Miami 7 Interesting
5 Ethan sad	104 2025-08-04 16:45:00 Dallas 2 NULL
6 Fiona love	102 2025-08-07 12:00:00 Boston 6 Well said.
7 George like	105 2025-08-03 11:25:00 Seattle 5 NULL
8 Hannah like agree!	106 2025-08-07 15:50:00 Denver 9 Completely
9 Ian angry this.	107 2025-08-06 13:15:00 Phoenix 4 Not okay with
10 Jane sad	108 2025-08-02 18:40:00 Atlanta 1 NULL
12 Anita wow 	109 2025-08-01 20:10:00 Houston 7 NULL
13 Brian love work!	110 2025-08-07 09:05:00 San Francisco 10 Fantastic

COUNT and IS NULL

```
Write a query to count how many reactions have no comment.
ANS: mysql> select count(*) from reaction where comment is null;
+----+
| count(*) |
+----+
     8 |
+----+
Create the order table
CREATE TABLE orders (
  order_id INT AUTO_INCREMENT PRIMARY KEY,
  customer_name VARCHAR(100),
  product_name VARCHAR(100),
  order_date DATETIME,
  quantity INT,
  price DECIMAL(10,2),
  status VARCHAR(20),
  shipping_address TEXT
);
Insert the data
INSERT INTO orders (customer_name, product_name, order_date, quantity, price, status,
shipping_address) VALUES
('Alice', 'Laptop', '2025-08-07 09:00:00', 1, 1200.00, 'shipped', '123 Main St, New York'),
('Bob', 'Phone', '2025-08-06 14:10:00', 2, 650.50, 'pending', '456 Elm St, LA'),
('Charlie', 'Tablet', '2025-08-05 11:25:00', 1, 300.00, 'cancelled', NULL),
```

```
('Diana', 'Monitor', '2025-08-07 15:40:00', 3, 199.99, 'shipped', '789 Pine St, Chicago'),
('Ethan', 'Keyboard', '2025-08-03 08:20:00', 5, 49.99, 'processing', NULL),
('Fiona', 'Mouse', '2025-08-04 10:30:00', 4, 25.00, 'shipped', '321 Oak St, Houston');
LIKE
1. Write a query to find all customers whose names end with 'a'.
  ANS: mysgl> select customer name from orders where customer name like '%a';
  +----+
  | customer name |
  +----+
  | Diana |
  Fiona
  +----+
2. Write a query to find orders where the product name contains the word 'Phone'.
  ANS:
  mysql> select * from orders where product name like 'phone';
  +-----+
  | order_id | customer_name | product_name | order_date | quantity | price | status
  | shipping address |
  +-----+
      2 | Bob
              | Phone | 2025-08-06 14:10:00 | 2 | 650.50 | pending | 456 Elm
  St, LA
  +-----+
3. Write a query to find orders where the product name is exactly 5 characters long.
ANS: mysql> select * from orders where length(product_name)=5;
+-----+
order_id | customer_name | product_name | order_date | quantity | price | status |
shipping address |
+-----+
   2 | Bob | Phone | 2025-08-06 14:10:00 | 2 | 650.50 | pending | 456 Elm St,
LA
   6 | Fiona | Mouse | 2025-08-04 10:30:00 | 4 | 25.00 | shipped | 321 Oak St,
Houston |
```

1	(Alias) Write a query to show customer name as Buyer and price as Unit_Price.
•	ANS: mysql> select customer_name as Buyer,price as Unit_Price from orders;
	+++ Buyer Unit_Price
	Alice 1200.00
	Bob
	Charlie 300.00 Diana 199.99
	Ethan 49.99
	Fiona 25.00
	++
5.	Write a query to show order ID and total amount (quantity × price) as Total_Cost.
	ANS: mysql> select order_id,(quantity*price) as Total_Cost from orders;
	++
	order_id Total_Cost
	++
	1 1200.00
	2 1301.00
	3 300.00
	4 599.97
	5 249.95
	6 100.00
	++
NC	т
ŝ.	Write a query to find all orders not placed by 'Bob'.
	ANS: mysql> select * from orders where not customer_name='bob';
	+
	order_id customer_name product_name order_date quantity price status

	1 Alice Laptop 2025-08-07 09:00:00 1 1200.00 shipped 123 Main St, New York
	3 Charlie Tablet 2025-08-05 11:25:00 1 300.00 cancelled NULL
	4 Diana Monitor 2025-08-07 15:40:00 3 199.99 shipped 789 Pine St, Chicago
	5 Ethan Keyboard 2025-08-03 08:20:00 5 49.99 processing NULL
	6 Fiona Mouse 2025-08-04 10:30:00 4 25.00 shipped 321 Oak St, Houston
	++++
	+
7.	Write a query to find orders where status is not 'shipped'.
	ANS:
	mysql> select * from orders where not status='shipped';
	++
	order_id customer_name product_name order_date quantity price status shipping_address
	2 Bob Phone 2025-08-06 14:10:00 2 650.50 pending 456 Elm St, LA
	3 Charlie Tablet 2025-08-05 11:25:00 1 300.00 cancelled NULL
	5 Ethan Keyboard 2025-08-03 08:20:00 5 49.99 processing NULL
	++
AN	D
8.	Write a query to find orders with quantity greater than 2 and price less than 500.
	ANS: mysql> select * from orders where quantity >2 and price<500;
	+
	+
	order_id customer_name product_name order_date
	++

	4 Diana Monitor 2025-08-07 15:40:00 3 199.99 shipped 78 Pine St, Chicago
	5 Ethan Keyboard 2025-08-03 08:20:00 5 49.99 processing NU
	6 Fiona Mouse 2025-08-04 10:30:00 4 25.00 shipped 321 Oak St, Houston
	+
9.	Write a query to find orders placed by 'Alice' and status is 'shipped'.
	ANS: mysql> select * from orders where customer_name='Alice' and status='shipped';
	++
	-+ order_id customer_name product_name order_date quantity price statu shipping_address
	+
	-+ 1 Alice Laptop 2025-08-07 09:00:00 1 1200.00 shipped 123 Main St, New York
	-+
OR	-+
	-+
	- +
	-+ . Write a query to find orders where status is 'pending' or 'processing'.
	-+ Write a query to find orders where status is 'pending' or 'processing'. ANS: mysql> select * from orders where status='processing' or status='pending';
	-+ . Write a query to find orders where status is 'pending' or 'processing'. ANS: mysql> select * from orders where status='processing' or status='pending'; +
	-+ Write a query to find orders where status is 'pending' or 'processing'. ANS: mysql> select * from orders where status='processing' or status='pending'; ++
	Write a query to find orders where status is 'pending' or 'processing'. ANS: mysql> select * from orders where status='processing' or status='pending'; +++
	Write a query to find orders where status is 'pending' or 'processing'. ANS: mysql> select * from orders where status='processing' or status='pending'; ++ order_id customer_name product_name order_date quantity price statu shipping_address ++ 2 Bob Phone 2025-08-06 14:10:00 2 650.50 pending 456 Elm St, LA
10.	Write a query to find orders where status is 'pending' or 'processing'. ANS: mysql> select * from orders where status='processing' or status='pending'; +++
10.	Write a query to find orders where status is 'pending' or 'processing'. ANS: mysql> select * from orders where status='processing' or status='pending'; ++ order_id customer_name product_name order_date quantity price statu shipping_address ++ 2 Bob Phone 2025-08-06 14:10:00 2 650.50 pending 456 Elm St, LA 5 Ethan Keyboard 2025-08-03 08:20:00 5 49.99 processing NU

```
order_id | customer_name | product_name | order_date | quantity | price | status
  shipping_address
  | Laptop | 2025-08-07 09:00:00 | 1 | 1200.00 | shipped | 123
     1 | Alice
  Main St, New York |
     4 | Diana
              | Monitor | 2025-08-07 15:40:00 | 3 | 199.99 | shipped | 789
  Pine St, Chicago |
  -+
IN
12. Write a query to find orders for products in the categories: 'Laptop', 'Phone', or 'Tablet'.
  ANS: mysql> select * from orders where product_name in('Laptop', 'Phone', 'Tablet');
  order_id | customer_name | product_name | order_date | quantity | price | status
  shipping_address |
  1 | Alice | Laptop | 2025-08-07 09:00:00 | 1 | 1200.00 | shipped | 123
  Main St, New York |
     2 | Bob
             | Phone | 2025-08-06 14:10:00 |
                                       2 | 650.50 | pending | 456
  Elm St, LA
     3 | Charlie
              | Tablet | 2025-08-05 11:25:00 | 1 | 300.00 | cancelled | NULL
  13. Write a query to find orders placed by customers in a given list: 'Alice', 'Bob', 'Charlie'.
  ANS: mysql> select * from orders where customer_name in('Alice', 'Bob', 'Charlie');
  order_id | customer_name | product_name | order_date | quantity | price | status
  shipping_address |
  | Laptop | 2025-08-07 09:00:00 | 1 | 1200.00 | shipped | 123
     1 | Alice
  Main St, New York |
```

•	2 Bob n St, LA	Phone	2025-08-06 14:10:00	2 650.50 pending 456
 	3 Charlie	Tablet	2025-08-05 11:25:00	1 300.00 cancelled NULL
+	+ +	+	+	+

IS NULL / IS NOT NULL

14. Write a query to find orders where the shipping address is missing.

15. Write a query to find orders where the shipping address is provided.

ANS:

mysql> select * from orders where shipping_address is not null;

| order_id | customer_name | product_name | order_date | quantity | price | status | shipping_address |

| 1 | Alice | Laptop | 2025-08-07 09:00:00 | 1 | 1200.00 | shipped | 123 Main St, New York |

| 2 | Bob | Phone | 2025-08-06 14:10:00 | 2 | 650.50 | pending | 456 Elm St, LA |

| 4 | Diana | Monitor | 2025-08-07 15:40:00 | 3 | 199.99 | shipped | 789 Pine St, Chicago |

| 6 | Fiona | Mouse | 2025-08-0410:30:00 | 4 | 25.00 | shipped | 321 Oak St, Houston |

-+					
FUNCTION-E	BASED				
16. Write a d	query to f	ind custome	ers whose name	is longer tha	n 5 characters.
·	•		ers where length	_	
order_i shippin	d custo g_addres	mer_name s	product_name	order_date	+ quantity price status
3	Charlie	Tablet	2025-08-05	11:25:00	1 300.00 cancelled NULL
			tomer names in		++
ANS:					
mysql> s	elect upp	er(custome	r_name) from or	ders;	
+		+			
upper(customer	_name)			
+		+			
ALICE	1				
BOB	1				
CHARL	ΙE	I			
DIANA	1				
ETHAN					
FIONA	I				
				-t II	Januaraana.
			vhere the produc		lowercase.
·	•		duct_name) from	i orders;	
	oroduct_r				
+		-+			
laptop	I				
phone	1				

	monitor	
	keyboard	
	mouse	1
	+	·+
19.	. Write a query to	o return the first 3 letters of each product name with an alias Short_Name.
	ANS: mysql> sel	ect left(product_name,3) as short_name from orders;
	++	
	short_name	
	++	
	Lap	

| tablet

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