

SQL Fiddle

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ecommerce

```
1 CREATE TABLE customers(  
2   customer_id INT AUTO_INCREMENT PRIMARY KEY,  
3   customer_name VARCHAR(100),  
4   customer_email VARCHAR(100),  
5   customer_address VARCHAR(200)  
6 );  
7  
8 CREATE TABLE orders(  
9   order_id INT AUTO_INCREMENT PRIMARY KEY,  
10  customer_id INT,  
11  order_date DATE,  
12  total_amount DECIMAL(10,2),  
13  FOREIGN KEY (customer_id) REFERENCES customers(customer_id)  
14 );  
15  
16 CREATE TABLE products(  
17  product_id INT AUTO_INCREMENT PRIMARY KEY,  
18  product_name VARCHAR(100),  
19  product_price DECIMAL(10,2),  
20  product_description text  
21 );
```

Execute Share MySQL

order_id	customer_id	order_date	total_amount
1	1	2024-10-09	150.50
2	2	2024-09-29	155.10
3	3	2024-07-09	140.00
4	4	2024-07-10	141.88

ecommerce

```
26 INSERT INTO customers(customer_name,customer_email,customer_address)  
27 VALUES  
28 ("smith","smith@gmail.com","123 street"),  
29 ("kane","kane@gmail.com","123 main street"),  
30 ("clarke","clarke@gmail.com","123 street near the park"),  
31 ("david","david@gmail.com","1/2 church street");  
32  
33 INSERT INTO orders(customer_id,order_date,total_amount)  
34 VALUES  
35 (1,"2024-10-09",150.50),  
36 (2,"2024-09-29",155.10),  
37 (3,"2024-07-09",140.00),  
38 (4,"2024-07-10",141.88);  
39  
40 INSERT INTO products(product_id,product_name,product_price,product_description)  
41 VALUES  
42 (1,"product A",65.10,"gaming laptop"),  
43 (2,"product B",70.50,"smartTV"),  
44 (3,"product C",61.88,"smartwatch"),  
45 (4,"product D",60.00,"AnalogWatch");  
46
```

Execute Share MySQL

order_id	customer_id	order_date	total_amount
1	1	2024-10-09	150.50
2	2	2024-09-29	155.10
3	3	2024-07-09	140.00
4	4	2024-07-10	141.88

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```
30 ("clarke","clarke@gmail.com","123 street near the park"),
31 ("david","david@gmail.com","1/2 church street");
32
33 INSERT INTO orders(customer_id,order_date,total_amount)
34 VALUES
35 (1,"2024-10-09",150.50),
36 (2,"2024-09-29",155.10),
37 (3,"2024-07-09",140.00),
38 (4,"2024-07-10",141.88);
39
40 INSERT INTO products(product_name,product_price,product_description)
41 VALUES
42 ("product A",65.10,"gaming laptop"),
43 ("product B",70.50,"smartTV"),
44 ("product C",61.88,"smartwatch"),
45 ("product D",60.00,"AnalogWatch");
46
47 SELECT customers.*FROM customers JOIN orders
48 ON customers.id = orders.customer_id WHERE order_date >= CURDATE() - INTERVAL 30 DAY;
49
```

Execute

Share

MySQL

Results

id	name	email	address
1	smith	smith@gmail.com	123 street
2	kane	kane@gmail.com	123 main street

```
30 ("clarke","clarke@gmail.com","123 street near the park"),
31 ("david","david@gmail.com","1/2 church street");
32
33 INSERT INTO orders(customer_id,order_date,total_amount)
34 VALUES
35 (1,"2024-10-09",150.50),
36 (2,"2024-09-29",155.10),
37 (3,"2024-07-09",140.00),
38 (4,"2024-07-10",141.88);
39
40 INSERT INTO products(product_name,product_price,product_description)
41 VALUES
42 ("product A",65.10,"gaming laptop"),
43 ("product B",70.50,"smartTV"),
44 ("product C",61.88,"smartwatch"),
45 ("product D",60.00,"AnalogWatch");
46
47 SELECT customers.name, SUM(orders.total_amount)AS total FROM customers
48 JOIN orders ON customers.id = orders.customer_id GROUP BY customers.name
49
```

Execute

Share

MySQL

name

total

smith	150.50
kane	155.10
clarke	140.00
david	141.88

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```
32
33 INSERT INTO orders (order_date, order_amount)
34 VALUES
35 (1, "2024-10-09", 150.50),
36 (2, "2024-09-29", 155.10),
37 (3, "2024-07-09", 140.00),
38 (4, "2024-07-10", 141.88);
39
40 INSERT INTO products (product_name, product_price, product_description)
41 VALUES
42 ("product A", 65.10, "gaming laptop"),
43 ("product B", 70.50, "smartTV"),
44 ("product C", 61.88, "smartwatch"),
45 ("product D", 60.00, "AnalogWatch");
46
47 UPDATE products
48 SET product_price=45.00
49 WHERE product_name="product C";
50 SELECT * FROM products
51
```

Execute Share MySQL

product_id	product_name	product_price	product_description
1	product A	65.10	gaming laptop
2	product B	70.50	smartTV
3	product C	45.00	smartwatch
4	product D	60.00	AnalogWatch

```
34 VALUES
35 (1, "2024-10-09", 150.50),
36 (2, "2024-09-29", 155.10),
37 (3, "2024-07-09", 140.00),
38 (4, "2024-07-10", 141.88);
39
40 INSERT INTO products (product_name, product_price, product_description)
41 VALUES
42 ("product A", 65.10, "gaming laptop"),
43 ("product B", 70.50, "smartTV"),
44 ("product C", 61.88, "smartwatch"),
45 ("product D", 60.00, "AnalogWatch");
46
47 ALTER TABLE products
48 ADD COLUMN discount DECIMAL(10,2);
49 UPDATE products
50 set discount = 10.00
51 WHERE product_id=1;
52
53 SELECT * FROM products
```

Execute Share MySQL

product_id	product_name	product_price	product_description	discount
1	product A	65.10	gaming laptop	10.00
2	product B	70.50	smartTV	NULL
3	product C	61.88	smartwatch	NULL
4	product D	60.00	AnalogWatch	NULL

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```
36 (2,"2024-09-29",155.10),
37 (3,"2024-07-09",140.00),
38 (4,"2024-07-10",141.88);
39
40 INSERT INTO products(product_name,product_price,product_description)
41 VALUES
42 ("product A",65.10,"gaming laptop"),
43 ("product B",70.50,"smartTV"),
44 ("product C",61.88,"smartwatch"),
45 ("product A",60.00,"AnalogWatch");
46
47 ALTER TABLE products
48 ADD COLUMN discount DECIMAL(10,2);
49 UPDATE products
50 set discount = 10.00
51 WHERE product_id=1;
52
53 SELECT customers.name,orders.order_date FROM customers
54 JOIN orders ON customers.id = orders.customer_id
55
```

Execute

Share

MySQL

name	order_date
smith	2024-10-09
kane	2024-09-29
clarke	2024-07-09
david	2024-07-10

```
31 ("david","david@gmail.com","1/2 church street");
32
33 INSERT INTO orders(customer_id,product_id,order_date,total_amount)
34 VALUES
35 (1,"2024-10-09",150.50),
36 (2,"2024-09-29",155.10),
37 (3,"2024-07-09",140.00),
38 (4,"2024-07-10",141.88);
39
40 INSERT INTO products(product_name,product_price,product_description)
41 VALUES
42 ("product A",65.10,"gaming laptop"),
43 ("product B",70.50,"smartTV"),
44 ("product C",61.88,"smartwatch"),
45 ("product A",60.00,"AnalogWatch");
46
47 SELECT *FROM orders WHERE total_amount > 150.00
48
49
50
```

Execute

Share

MySQL

Results

id	customer_id	order_date	total_amount
1	1	2024-10-09	150.50
2	2	2024-09-29	155.10

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Thank

39 INSERT INTO orders(customer_id,order_date,total_amount)

40 VALUES

41 (1,"2024-10-01",155.10);

42 (2,"2024-09-29",155.10);

43 (3,"2024-07-09",140.00);

44 (4,"2024-07-10",141.88);

45

46 INSERT INTO products(product_name,product_price,product_description)

47 VALUES

48 ("product A",65.10,"gaming laptop");

49 ("product B",70.50,"smartTV");

50 ("product C",61.88,"smartwatch");

51 ("product A",60.00,"AnalogWatch");

52

53

54

55 SELECT AVG(total_amount) FROM orders

56

57

58

59

Execute

Share

MySQL

Results

AVG(total_amount)

146.870000

34 (2,"2024-09-29",155.10);

35 (3,"2024-07-09",140.00);

36 (4,"2024-07-10",141.88);

37

38 INSERT INTO products(product_name,product_price,product_description)

39 VALUES

40 ("product A",65.10,"gaming laptop");

41 ("product B",70.50,"smartTV");

42 ("product C",61.88,"smartwatch");

43 ("product A",60.00,"AnalogWatch");

44

45 SELECT*

46 FROM products

47 ORDER BY product_price DESC LIMIT 3;

48

49

50

51

52

53

Execute

Share

MySQL

Results

product_id	product_name	product_price	product_description
2	product B	70.50	smartTV
1	product A	65.10	gaming laptop
3	product C	61.88	smartwatch

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33 (1,"2024-10-09",150.50);

34 (2,"2024-09-20",120.00);

35 (3,"2024-07-01",100.00);

36 (4,"2024-07-10",141.88);

37

38 INSERT INTO products(product_name,product_price,product_description)

39 VALUES

40 ("product A",65.10,"gaming laptop"),

41 ("product B",70.50,"smartTV"),

42 ("product C",61.88,"smartwatch"),

43 ("product A",60.00,"AnalogWatch");

44

45 SELECT customers.name FROM customers

46 JOIN products ON customers.id = products.product_id

47 WHERE products.product_name = "product A";

48

49

50

51

52

Execute

Share

MySQL

Results

name
smith
david

1.2k Shares

f

X

in

reddit

mail

share