

ISS LAB :2023113019: Raunak Seksaria

(MySql)

Retrieve all customer information.

SELECT \* FROM Customers;

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

5 rows in set (0.01 sec)

Retrieve all order details.

SELECT \* FROM Orders;

order_id	item	amount	customer_id
1	Keyboard	400	4
2	Mouse	300	4
3	Monitor	12000	3
4	Keyboard	400	1
5	Mousepad	250	2

5 rows in set (0.00 sec)

Retrieve all shipping details.

SELECT \* FROM Shippings;

shipping_id	status	customer
1	Pending	2
2	Pending	4
3	Delivered	3
4	Pending	5
5	Delivered	1

Find the total number of customers.

SELECT COUNT(\*) FROM Customers ;

COUNT(*)
5

1 row in set (0.00 sec)

Find the average age of customers.

SELECT AVG(age) FROM Customers;

AVG(age)
25.6000

1 row in set (0.00 sec)

Find customers who have placed orders and their order details.

SELECT c.\*, o.\* FROM Customers c JOIN Orders o ON c.customer\_id = o.customer\_id;

customer_id	first_name	last_name	age	country	order_id	item	amount	customer_id
4	John	Reinhardt	25	UK	1	Keyboard	400	4
4	John	Reinhardt	25	UK	2	Mouse	300	4
3	David	Robinson	22	UK	3	Monitor	12000	3
1	John	Doe	31	USA	4	Keyboard	400	1
2	Robert	Luna	22	USA	5	Mousepad	250	2

5 rows in set (0.00 sec)

Retrieve customers who have not placed any orders.

```
SELECT * FROM Customers c LEFT JOIN Orders o ON c.customer_id = o.customer_id WHERE  
o.customer_id IS NULL;
```

customer_id	first_name	last_name	age	country	order_id	item	amount	customer_id
5	Betty	Doe	28	UAE	NULL	NULL	NULL	NULL

1 row in set (0.01 sec)

Find the customer with the highest total order amount.

```
SELECT c.customer_id, c.first_name, c.last_name, c.age, SUM(o.amount) AS total_order_amount  
FROM Customers c JOIN Orders o ON c.customer_id = o.customer_id GROUP BY c.customer_id  
ORDER BY total_order_amount DESC LIMIT 1;
```

customer_id	first_name	last_name	age	total_order_amount
3	David	Robinson	22	12000

1 row in set (0.01 sec)

Retrieve the items ordered by customers from the UK.

```
SELECT o.item FROM Orders o JOIN Customers c ON o.customer_id = c.customer_id WHERE  
c.country = 'UK';
```

item
Monitor
Keyboard
Mouse

3 rows in set (0.01 sec)

Find the status of orders placed by customers aged 25 or below.

```
SELECT s.status FROM Shippings s JOIN Customers c ON s.customer = c.customer_id WHERE c.age <= 25;
```

```
+-----+
| status |
+-----+
| Pending|
| Delivered|
| Pending|
+-----+
3 rows in set (0.00 sec)
```