ISS LAB: 2023113019: Raunak Seksaria

(MySqI)

Retrieve all customer information.

SELECT * FROM Customers;

+ customer_id	+ first_name	last_name	age	country
2 3 4	Robert David	Doe Luna Robinson Reinhardt Doe		USA UK UK
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			
+	t	·	++			
5 rows in set (0.00 sec)						

Retrieve all shipping details.

SELECT * FROM Shippings;

+ shipping_id +	status	+ customer +
2 3 4	Pending Pending Delivered Pending Delivered	2 4 3 5 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
rows in set (+	+	+		+		+	+

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;

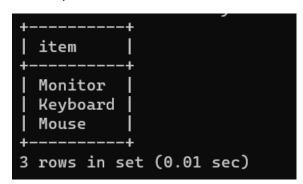
++ customer_id	first_name	last_name	age	country	order_id	item	+ amount	
5	Betty	Doe	28	UAE	NULL	NULL	NULL	NULL
1 row in set (0	.01 sec)						•	-

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;

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';



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;