Possible queries in database:

1) Retrieve all customers in customer table.
   Query: SELECT * from customer;

CUSTOMER_ID	FIRST_NAME	LAST_NAME	EMAIL	PASSWORD	PHONE_NO
101	aman	rana	aman101@gmail.com	aman@123	1234567889
102	Radha	singh	radha102@hotmail.com	radha@123	-
103	Naman	saxena	naman103@hotmail.com	naman@123	1212121212
104	sharvan	kumar	shravan104@gmail.com	shravan@123	3322332232
105	vivek	dhoni	vivaek105@gmail.com	vivek@123	8868868811

5 rows returned in 0.00 seconds   CSV Export

2) Retrieve all the details of customer w.r.t customer id.
   Query: SELECT * FROM customer WHERE customer_id='101';

CUSTOMER_ID	FIRST_NAME	LAST_NAME	EMAIL	PASSWORD	PHONE_NO
101	aman	rana	aman101@gmail.com	aman@123	1234567889

1 rows returned in 0.00 seconds   CSV Export

3) Retrieve order history of a customer.
   Query: select customer.customer_id, orderr.order_id, orderr.order_date, orderr.total_price from (customer join orderr on customer.customer_id=orderr.customer_id) where customer.customer_id='101';

CUSTOMER_ID	ORDER_ID	ORDER_DATE	TOTAL_PRICE
101	400	11-JUN-20	2300

1 rows returned in 0.00 seconds   CSV Export

4) Retrieve order history of customer from -to date.
   Query: select order_id, customer_id,order_date from orderr where order_date > '01-jan-1999' and order_date < '01-jan-2024' and customer_id='101'; Retrieve ordered item's purchase history, order details and customer id of customers from order_item id;

ORDER_ID	CUSTOMER_ID	ORDER_DATE
400	101	11-JUN-20

1 rows returned in 0.02 seconds   CSV Export

5) Retrieve number of customers who bought specific product in a
particular month.
Query: select distinct orderr.customer_id,order_item.product_id from
(orderr join order_item on orderr.order_id=order_item.order_id) where
order_item.product_id<2;

no data found

6) Count number of customers.
Query: SELECT COUNT(customer_id) FROM customer;

COUNT(CUSTOMER_ID)
5

1 rows returned in 0.02 seconds   CSV Export

7) Retrieve customers belonging to specific city.
Query: SELECT first_name,last_name FROM (customer JOIN shipment ON
customer.customer_id=shipment.customer_id) WHERE city='bareilly';

FIRST_NAME	LAST_NAME
aman	rana
Radha	singh
Naman	saxena
sharvan	kumar
vivek	dhoni

5 rows returned in 0.02 seconds   CSV Export

8) Retrieve customers who never ordered any product.

Query: SELECT first_name,last_name from customer WHERE NOT EXISTS
(SELECT * FROM orderr WHERE customer.customer_id=orderr.customer_id);

FIRST_NAME	LAST_NAME
neomi	kuru
sharvan	kumar

2 rows returned in 0.01 seconds   CSV Export

9) Retrieve customers who have pending products in their cart.

Query: select customer.first_name,customer.last_name,cart.product_id from (customer join cart on customer.customer_id=cart.customer_id) where (select distinct count(product_id) from cart group by customer_id)>0;

FIRST_NAME	LAST_NAME	PRODUCT_ID
aman	rana	301
Radha	singh	305
Naman	saxena	305
sharvan	kumar	303
vivek	dhoni	302

5 rows returned in 0.01 seconds   CSV Export

10)   Retrieve product name and its category name.
   Query: select product.prod_name, categories.category_name from (product join categories on product.category_id=categories.category_id) where product.prod_id='301';

PROD_NAME	CATEGORY_NAME
fry pan	kitchen Wares

1 rows returned in 0.02 seconds   CSV Export

11)   Retrieve customer details with highest spending in a particular month. *(max function not applied)
   Query: select customer.customer_id,sum(payment.payment_amount) from (payment join customer on

payment.customer_id=customer.customer_id) group by
customer.customer_id;

CUSTOMER_ID	SUM(PAYMENT.PAYMENT_AMOUNT)
102	2300
101	2300
104	3500
105	4500
103	5299

5 rows returned in 0.00 seconds   CSV Export

12)   Retrieve average expenditure of customer in a year.

Query:

13)   Retrieve number of products bought by customer with highest spending.

Query:

14)   Retrieve expenditure amount of highest spending customer.

Query:

15)   Retrieve customer with specific category purchase.

Query:

16)   Retrieve date when the product item was last purchased.