Solutions

1. Write a query to display all the agents name with their phone number from agents table.

Solution:

USE sampledb;

SELECT agent_name, phone_number

FROM agents;

2. Write a query to display the names of all the customers with working area is Leeds from customer table.

Solution:

SELECT cust_name,working_area

FROM customer

WHERE working_area='Leeds';

3. Write a query to display the order number and order amount with order description is shoes from orders table.

Solution:

SELECT order_num,order_amount

FROM orders

WHERE order_description='shoe';

4. Write a query to display the agent code, order amount and order description where order amount= 3000 and order description is clothes

Solution:

SELECT agent_code, order_amount, order_description

FROM orders

WHERE order_amount = 3000 AND

order_description = 'clothes';

5. Write a query to display all the details from the table order where the order amount is more than 2000.

Solution:

SELECT *

FROM orders

WHERE order_amount > 2000;

6. Write a query to display customer name and customer phone number that have alphabet 'e' in their name.

Solution:

SELECT cust_name, phone_number

FROM customer

WHERE cust_name LIKE '%e%'

ORDERBY cust_name DESC;

7. Write a query to display all the details from orders table with minimum order amount.

Solution:

SELECT *

FROM orders

WHERE order_amount = (SELECT MIN(order_amount)

FROM orders);

8. Write a query to display the total order amount from orders table.

Solution:

SELECT SUM(order_amount)

FROM orders;

9. Write a query to find the number of agents currently listing for all of their customers from orders table.

Solution:

SELECT COUNT(DISTINCT agent_code)

FROM orders;

10. Write a query to find the highest purchase amount ordered by the each customer code and highest order amount.

Solution:

SELECT cust_code, MAX(order_amount)

FROM orders

GROUP BY cust_code;

11. Write a query to find the highest order amount on a date '2022-07-13' with agent code.

Solution:

SELECT agent_code, MAX(order_amount)

FROM orders

WHERE order_date = '2022-07-13'

GROUP BY agent_code;

12. Write a query to find the name and customer city of those customers and agents who work in the same city.

Solution:

SELECT customer.cust_name, agents.agent_name, agents.working_area

FROM agents, customer

WHERE agents.working_area = customer.working_area;

13. Write a query to find the name of all the customer names along with the agent names who works for them.

Solution:

SELECT customer.cust_name, agents.agent_name

FROM customer, agents

WHERE agents.agent_code = customer.agent_code;

14. Write a query to display all those orders by the customers not located in the same cities where their agents working area.

Solution:

SELECT order_num, cust_name, orders.agent_code, orders.agent_code

FROM agents, customer, orders

WHERE customer.working_area <> agents.working_area

AND orders.cust_code = customer.cust_code

AND orders.agent_code = agents.agent_code;

15. Write a query to display all the orders issued by the agent 'Rickey' from the orders table.

Solution:

SELECT * FROM orders

WHERE agent_code = (SELECT agent_code FROM agents

WHERE agent_name = 'Rickey');