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

Solution:

USE sqlactivity;

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:

SELECTcustomer.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');