QUESTIONS:

1. Write a SQL query to show average number of orders shipped in a day (use Orders table).

```
SELECT AVG(num_orders) FROM (
  SELECT COUNT(*) as num_orders, DATE(Shippeddate) as order_date
  FROM orders
  GROUP BY DATE(Shippeddate)
);
```

2. Write a SQL query to show average number of orders placed in a day.

```
SELECT AVG(num_orders) FROM (
  SELECT COUNT(*) as num_orders, DATE(orderDate) as order_date
  FROM orders
  GROUP BY DATE(orderDate)
);
```

3. Write a SQL query to show the product name with minimum MSRP (use Products table).

```
SELECT product_name FROM products WHERE msrp = (SELECT MIN(msrp) FROM products);
```

4. Write a SQL query to show the product name with maximum value of stockQuantity.

```
SELECT product_name FROM products WHERE stockQuantity = (SELECT MAX(quantityinStock) FROM
products);
```

5. Write a query to show the most ordered product Name (the product with maximum number of orders).

```
SELECT p.product_name FROM products p
JOIN (
  SELECT product_id, COUNT(*) as num_orders FROM orders
  GROUP BY product_id
  ORDER BY num_orders DESC
  LIMIT 1
) o ON o.product_id = p.product_id;
```

6. Write a SQL query to show the highest paying customer Name.

```
SELECT c.customer_name FROM customers c
JOIN (
  SELECT customer_id, SUM(total_price) as total_spent FROM orders
  GROUP BY customer_id
  ORDER BY total_spent DESC
  LIMIT 1
) o ON o.customer_id = c.customer_id;
```

7. Write a SQL query to show cutomerNumber, customerName of all the customers who are from Melbourne city.

```
SELECT customerNumber, customerName FROM customers WHERE city = 'Melbourne';
```

8. Write a SQL query to show name of all the customers whose name start with “N”.

```
SELECT customerName FROM customers WHERE customerName LIKE 'N%';
```

8. Write a SQL query to show name of all the customers whose phone start with ‘7’ and are from city ‘Las Vegas’.

```
SELECT customerName FROM customers WHERE phone LIKE '7%' AND city = 'Las Vegas';
```

10. Write a SQL query to show name of all the customers whose creditLimit < 1000 and city is either “Las Vegas” or ”Nantes” or “Stavern”.

```
SELECT customerName FROM customers WHERE creditLimit < 1000 AND city IN ('Las Vegas', 'Nantes', 'Stavern');
```

11. Write a SQL query to show all the orderNumber in which quantity ordered <10.

```
SELECT orderNumber FROM orders WHERE quantityOrdered < 10;
```

12. Write a SQL query to show all the orderNumber whose customer Name start with letter ‘N’**.**

```
SELECT o.orderNumber FROM orders o
JOIN customers c ON c.customerNumber = o.customerNumber
WHERE c.customerName LIKE 'N%';
```

13. Write a SQL query to show all the customerName whose orders are “Disputed” in status.

```
SELECT c.customerName FROM customers c
JOIN orders o ON c.customerNumber = o.customerNumber
WHERE o.status = 'Disputed';
```

14. Write a SQL query to show the customerName who made payment through cheque with checkNumber starting with H and made payment on “2004-10-19”.

```
SELECT c.customerName FROM customers c
JOIN payments p ON c.customerNumber = p.customerNumber
WHERE p.checkNumber LIKE 'H%' AND p.paymentDate = '2004-10-19';
```

15. Write a SQL query to show all the checkNumber whose amount > 1000.

```
SELECT checkNumber FROM payments WHERE amount > 1000;
```