

Database Management Systems: Queries

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1 Electronics DB: Write queries for the below questions

1. Retrieve all orders placed by CustomerID = 1.

2. Find customers from New York.

3. Get all products with stock less than 20.

4. Get product names with order quantities.

2 Explain what each query does and provide the output.

1. `SELECT * FROM Orders WHERE OrderStatus = 'Processing';`

Explanation:

Output:

2. `SELECT * FROM Customers WHERE JoinDate > '2022-01-01';`

Explanation:

Output:

3. `SELECT ProductID, SUM(Quantity) AS TotalOrdered
FROM Orders
GROUP BY ProductID;`

Explanation:

Output:

4.

```
SELECT Customers.Name, SUM(Orders.Quantity) AS TotalQuantity
FROM Customers
INNER JOIN Orders ON Customers.CustomerID = Orders.CustomerID
GROUP BY Customers.Name;
```

Explanation:

Output:

5.

```
SELECT Customers.Name, Orders.OrderID, Orders.OrderDate
FROM Customers
LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID;
```

Explanation:

Output:

6. Find products that have never been ordered