

# Sales Management System - SQL Queries

## 1. List all customers

```
SELECT * FROM Customers;
```

## 2. List all products

```
SELECT * FROM Products;
```

## 3. List all orders with customer name and order date

```
SELECT o.OrderID, c.Name AS CustomerName, o.OrderDate
FROM Orders o
JOIN Customers c ON o.CustomerID = c.CustomerID;
```

## 4. Total sales per product

```
SELECT p.ProductName,
       SUM(od.Quantity) AS TotalQuantitySold,
       SUM(od.Quantity * p.Price) AS TotalSalesAmount
FROM OrderDetails od
JOIN Products p ON od.ProductID = p.ProductID
GROUP BY p.ProductName;
```

## 5. Total amount of each order

```
SELECT o.OrderID,
       SUM(od.Quantity * p.Price) AS OrderTotal
FROM Orders o
JOIN OrderDetails od ON o.OrderID = od.OrderID
JOIN Products p ON od.ProductID = p.ProductID
GROUP BY o.OrderID;
```

## 6. Orders placed after June 1, 2025

```
SELECT * FROM Orders WHERE OrderDate > '2025-06-01';
```

## 7. Customers from Pune

```
SELECT * FROM Customers WHERE City = 'Pune';
```

## 8. Detailed order info (customer, product, quantity)

```
SELECT o.OrderID, c.Name AS CustomerName, p.ProductName, od.Quantity, p.Price, (p.Price
```

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```
* od.Quantity) AS Total
FROM Orders o
JOIN Customers c ON o.CustomerID = c.CustomerID
JOIN OrderDetails od ON o.OrderID = od.OrderID
JOIN Products p ON od.ProductID = p.ProductID;
```

### 9. Products that have not been sold

```
SELECT ProductName
FROM Products
WHERE ProductID NOT IN (
    SELECT DISTINCT ProductID FROM OrderDetails
);
```

### 10. Top 1 customer by total purchase amount

```
SELECT c.Name,
       SUM(p.Price * od.Quantity) AS TotalSpent
FROM Customers c
JOIN Orders o ON c.CustomerID = o.CustomerID
JOIN OrderDetails od ON o.OrderID = od.OrderID
JOIN Products p ON od.ProductID = p.ProductID
GROUP BY c.Name
ORDER BY TotalSpent DESC
LIMIT 1;
```