

# Joins - Exercises

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## 1. Orders with Customer Names and Countries

Write a query to display the OrderID, OrderDate, CustomerName, and Country for all orders. Use the Orders and Customers tables to get the required information.

## 2. Order Details with Product Names and Prices

Write a query to display the OrderID, ProductName, Price, and Quantity for all products ordered. Use the OrderDetails and Products tables.

## 3. Orders with Shipper Information



Write a query to display the OrderID, OrderDate, and ShipperName for each order. Use the Orders and Shippers tables to connect the data.

#### **4. Products by Category with Prices**

Write a query to list all ProductName, CategoryName, and Price. Use the Products and Categories tables to fetch the category information for each product.

#### **5. Supplier and Product List with Quantities Available**

Write a query to list the SupplierName, ProductName, and Price of products available. Use the Suppliers and Products tables.

#### **6. Orders with Total Quantity and Total Price**

Write a query to display the OrderID, CustomerName, total Quantity, and the total price of all products in the order. Use the Orders, OrderDetails, and Customers tables. Group by OrderID.

#### **7. Products Ordered by Customer Names**

Write a query to display the CustomerName, ProductName, and Quantity for all orders. Use the Orders, OrderDetails, Customers, and Products tables.

#### **8. Shipped Orders with Shipper and Employee Names**

Write a query to display the OrderID, OrderDate, ShipperName, and the employee's FirstName and LastName who processed the shipping. Use the Orders, Shippers, and Employees tables.

#### **9. Orders by Category with Total Quantities**

Write a query to display the OrderID, CategoryName, and total Quantity of products ordered in each category. Use the Orders, OrderDetails, Products, and Categories tables. Group by CategoryName.

#### **10. Customers Who Ordered Specific Products**

Write a query to find all CustomerName and OrderID entries for a specific ProductName. Use the Orders, OrderDetails, Products, and Customers tables.

#### **11. Suppliers for Products in Each Category**

Write a query to display the CategoryName, SupplierName, and ProductName. Use the Categories, Suppliers, and Products tables.

#### **12. Orders Grouped by Employee with Total Sales**

Write a query to list the FirstName and LastName of employees and the total sales (sum of product prices) they managed. Use the Orders, OrderDetails, and Employees tables. Group by employee.

#### **13. List of Products That Have Never Been Ordered**



Write a query to find all ProductName entries that are not present in the OrderDetails table. Use the Products and OrderDetails tables.

#### **14. List All Orders Shipped by a Specific Shipper**

Write a query to display all OrderID, OrderDate, and CustomerName entries where the order was shipped by a specific ShipperName. Use the Orders, Customers, and Shippers tables.

#### **15. Find Customers Who Have Placed Orders in a Specific Month**

Write a query to list all CustomerName and OrderID entries where the OrderDate falls within a specific month. Use the Orders and Customers tables.

#### **16. Products with Prices Higher Than the Average Price per Category**

Write a query to display all ProductName and Price entries where the price is higher than the average price for that product's category. Use the Products and Categories tables.

#### **17. Orders Containing Products from Multiple Categories**

Write a query to find all OrderID entries that contain products from more than one category. Use the Orders, OrderDetails, Products, and Categories tables.

#### **18. Customers and Employees Linked by Orders**

Write a query to display the CustomerName, EmployeeName (both FirstName and LastName), and OrderID for all orders. Use the Orders, Customers, and Employees tables.

#### **19. Suppliers That Provide Products Ordered by a Specific Customer**

Write a query to find the SupplierName and ProductName for products ordered by a specific CustomerName. Use the Orders, OrderDetails, Products, Customers, and Suppliers tables.

