

## SQL - Join Exercise

### Questions:

1. Display the Employee details corresponding to OrderID=10261.
2. Display the ShipperName for OrderID=10318.
3. Display the OrderIDs who ordered for an item which has 1 kg pkg. Unit.
4. Display the Order date when the Customers from the city, 'Buenos Aires' placed an order.
5. Display the Customer names who ordered the costliest product.
6. Display the Category name of the product which was ordered in quantity=33.
7. Display the Product name which has the highest quantity of order.
8. Display the Customer names who placed an order after '1997-02-07'.
9. Display the Customer names who ordered less than quantity=2 in their orders.
10. Display the sum of the price of products that was ordered in the OrderID=10263.

### Answers:

1. **SELECT** e.EmployeeID,e.FirstName, e.LastName, e.BirthDate, e.Photo, e.Notes  
**FROM** Employees e  
**JOIN** Orders o  
**ON** e.EmployeeID = o.EmployeeID  
**WHERE** o.OrderID = 10261

```
SELECT e.EmployeeID,e.FirstName, e.LastName, e.BirthDate, e.Photo, e.Notes
FROM Employees e
JOIN Orders o
ON e.EmployeeID = o.EmployeeID
WHERE o.OrderID = 10261
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

EmployeeID	FirstName	LastName	BirthDate	Photo	Notes
4	Margaret	Peacock	1958-09-19	EmpID4.pic	Margaret holds a BA in English literature from Concordia College and an MA from the American Institute of Culinary Arts. She was temporarily assigned to the London office before returning to her permanent post in Seattle.

2. **SELECT** s.ShipperName  
**FROM** Shippers s  
**JOIN** Orders o  
**ON** s.ShipperID=o.ShipperID  
**WHERE** o.OrderID=10318

```
SELECT s.ShipperName
FROM Shippers s
JOIN Orders o
ON s.ShipperID=o.ShipperID
WHERE o.OrderID=10318
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

ShipperName
United Package

3. **SELECT** o.OrderID  
**FROM** OrderDetails o  
**JOIN** Products p  
**ON** o.ProductID=p.ProductID  
**WHERE** p.Unit='1 kg pkg.'

```
SELECT o.OrderID
FROM OrderDetails o
JOIN Products p
ON o.ProductID=p.ProductID
WHERE p.Unit='1 kg pkg.'
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 9

OrderID
10248
10296
10337

4. **SELECT** O.OrderDate  
**FROM** Orders O  
**JOIN** Customers C  
**ON** O.CustomerID = C.CustomerID  
**WHERE** C.City="Buenos Aires"

```
SELECT O.OrderDate
FROM Orders O
JOIN Customers C
ON O.CustomerID = C.CustomerID
WHERE C.City="Buenos Aires"
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

OrderDate
1997-01-09

5. **SELECT** C.CustomerName, Max(P.Price) as Price  
**FROM** Customers C  
**JOIN** Products P, Orders O, OrderDetails D  
**ON** P.ProductID = D.ProductID **AND** D.OrderID = O.OrderID **AND** O.CustomerID  
C.CustomerID

```
SELECT C.CustomerName, Max(P.Price) as Price
FROM Customers C
JOIN Products P, Orders O, OrderDetails D
ON P.ProductID = D.ProductID AND D.OrderID = O.OrderID AND O.CustomerID=C.CustomerID
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

CustomerName	Price
Split Rail Beer & Ale	263.5

6. **SELECT** C.CategoryName  
**FROM** Categories C  
**JOIN** Products P, OrderDetails D  
**ON** P.ProductID = D.ProductID AND P.CategoryID = C.CategoryID  
**WHERE** D.Quantity = 33

```
SELECT C.CategoryName
FROM Categories C
JOIN Products P, OrderDetails D
ON P.ProductID = D.ProductID AND P.CategoryID = C.CategoryID
WHERE D.Quantity = 33
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

CategoryName
Beverages

7. **SELECT** P.ProductName, Max(Quantity) as Quantity  
**FROM** Products P  
**JOIN** OrderDetails D  
**ON** P.ProductID = D.ProductID

```
SELECT P.ProductName, Max(Quantity) as Quantity
FROM Products P
JOIN OrderDetails D
ON P.ProductID = D.ProductID
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

ProductName	Quantity
Pâté chinois	120

8. **SELECT** c.CustomerName  
**FROM** Customers c  
**JOIN** Orders o  
**ON** c.CustomerID = o.CustomerID  
**WHERE** o.OrderDate > '1997-02-07'

```
SELECT c.CustomerName
FROM Customers c
JOIN Orders o
ON c.CustomerID = o.CustomerID
WHERE o.OrderDate > '1997-02-07'
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 4

CustomerName
Save-a-lot Markets
Old World Delicatessen
Ernst Handel
Reggiani Caseifici

9. **SELECT** c.customername  
**FROM** customers c  
**JOIN** orders o  
**ON** c.customerid=o.customerid  
**JOIN** orderdetails od  
**ON** o.orderid=od.orderid  
**WHERE** od.quantity<2;

```
JOIN orders o
ON c.customerid=o.customerid
JOIN orderdetails od
ON o.orderid=od.orderid
WHERE od.quantity<2;
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 3

CustomerName
Centro comercial Moctezuma
Romero y tomillo

10. **SELECT** o.orderid, sum(p.price) as Sum  
**FROM** orderdetails o  
**JOIN** products p  
**ON** o.productid=p.productid  
**WHERE** o.orderid=10263

```
SELECT o.orderid, sum(p.price) as Sum
FROM orderdetails o
JOIN products p
ON o.productid=p.productid
WHERE o.orderid=10263
```

Edit the SQL Statement, and click "Run SQL" to see the result.

Run SQL »

Result:

Number of Records: 1

OrderID	Sum
10263	57.84