CSE 581

**Lab 9: Selects with Joins**

**Purpose:**

Do SQL selections.

**Deliverables:**

Multiple screenshots, as described through the lab.

Scripts that you used to carry out the actions.

**Steps:**

*Do this lab against the Northwind database.*

For each of the tasks, please provide a **screenshot** showing the script used, as well as selected data.

1. List all orders and their corresponding order details.

SELECT \*

FROM Orders

JOIN [Order Details] ON Orders.OrderID = [Order Details].OrderID;

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1. List all orders (OrderID) and all customers (Company Name), matching records appropriately.

SELECT Orders.OrderID, Customers.CompanyName

FROM Orders

JOIN Customers ON Orders.CustomerID = Customers.CustomerID;

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1. List all company names that placed more than 5 orders.

SELECT Customers.CompanyName, COUNT(Orders.OrderID) AS OrderCount

FROM Customers

JOIN Orders ON Customers.CustomerID = Orders.CustomerID

GROUP BY Customers.CompanyName

HAVING COUNT(Orders.OrderID) > 5;

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1. List orders (OrderID) and corresponding customers (Company Name), only where the records match up.

SELECT Orders.OrderID, Customers.CompanyName

FROM Orders

LEFT JOIN Customers ON Orders.CustomerID = Customers.CustomerID;

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1. List matching orders (OrderID) and all customers (Company Name).

SELECT Orders.OrderID, Customers.CompanyName

FROM Orders

RIGHT JOIN Customers ON Orders.CustomerID = Customers.CustomerID;

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1. List all employees (names and IDs only) and their corresponding managers (names only).

SELECT Employees.EmployeeID, Employees.FirstName + ' ' + Employees.LastName AS EmployeeName,

Managers.FirstName + ' ' + Managers.LastName AS ManagerName

FROM Employees

LEFT JOIN Employees AS Managers ON Employees.ReportsTo = Managers.EmployeeID;

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1. List all orders (OrderID) and matching customers (Company Name).

SELECT Orders.OrderID, Customers.CompanyName

FROM Orders

FULL JOIN Customers ON Orders.CustomerID = Customers.CustomerID;

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