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# SQL Example – Printing Orders Grouped by Customer

**Select Statements for Outer and Inner Loop SQL Queries**

**Outer Loop**

**SELECT** dbo.Customers.CompanyName, dbo.Customers.CustomerID **FROM** dbo.Customers

**Inner Loop**

**SELECT** dbo.Customers.CompanyName, dbo.Orders.OrderID

**FROM** dbo.Orders

**INNER JOIN** dbo.Customers **ON** dbo.Orders.CustomerID = dbo.Customers.CustomerID **WHERE**(dbo.Orders.CustomerID = ${Customers.CustomerID})

**ORDER BY** dbo.Orders.OrderID

**EXAMPLE 1 – SQL Output**

|  |  |
| --- | --- |
| [Customers Outer Loop]Company Name | |
| [CompanyName] | |
|  | **Orders Placed** |
| [Orders Inner Loop] | [Orders] |

[End Customers Inner Loop]

[End Customers Outer Loop]

# XML Example – Printing Orders Grouped by Customer

**Select Statements for Outer and Inner Loop XML Queries**

**Outer Loop**

/ROOT/Customers

**Inner Loop**

/ROOT/Orders[CustomerID = ${Customers}/CustomerID]

**EXAMPLE 2 – XML Output**

|  |  |
| --- | --- |
| [Customers Outer Loop]Company Name | |
| [CompanyName] | |
|  | **Orders Placed** |
| [Orders Inner Loop] | [Orders] |

[End Customers Inner Loop]

[End Customers Outer Loop]

# JSON Example – Printing Orders Grouped by Customer

**Select Statements for Outer and Inner Loop JSON Queries**

**Outer Loop**

$.Customers[\*]

**Inner Loop**

$.Orders[\*][?(@.CustomerID == ${Customers.CustomerID})]

**EXAMPLE 3 – JSON Output**

|  |  |
| --- | --- |
| [Customers Outer Loop]Company Name | |
| [CompanyName] | |
|  | **Orders Placed** |
| [Orders Inner Loop] | [Orders] |

[End Customers Inner Loop]

[End Customers Outer Loop]

# ­­­OData Example – Printing Orders Grouped by Customer

**Select Statements for Outer and Inner Loop OData Queries**

**Outer Loop**

Customers

**Inner Loop**

Orders?$filter=(CustomerID eq ${Customers.CustomerID})

**EXAMPLE 2 – OData Output**

|  |  |
| --- | --- |
| [Customers Outer Loop]Company Name | |
| [CompanyName] | |
|  | **Orders Placed** |
| [Orders Inner Loop] | [Orders] |

[End Customers Inner Loop]

[End Customers Outer Loop]