What's covered here?

• Common Types of SQL JOINs

Source Tables

	Customer
CustomerID	CustomerLastName
1	Smith
2	Kim
3	Morgan
4	Reed
5	Lynch

	OrderHeader		
OrderID	OrderDate	OrderAmount	CustomerID
1001	10/02/14	120	2
1002	10/03/14	767	3
1003	10/14/14	855	1
1004	10/15/14	1,245	1
1005	10/16/14	330	7
1006	10/10/14	557	4
1007	10/22/14	191	3

INNER JOIN

	Customer
CustomerID	CustomerLastName
1	Smith
2	Kim
3	Morgan
4	Reed
5	Lynch

OrderID	OrderDate	OrderAmount	CustomerID	
1001	10/02/14	120	2	
1002	10/03/14	767	3	
1003	10/14/14	855	1	
1004	10/15/14	1,245	1	
1005	10/16/14	330	7	
1006	10/10/14	557	4	
1007	10/22/14	191	3	

OrderHeader

SELECT c.CustomerID, CustomerLastName, OrderID, OrderDate, OrderAmount

FROM Customer c

INNER JOIN OrderHeader o

ON c.CustomerID = o.CustomerID

ORDER BY c.CustomerID, OrderID

What's returned?

LEFT OUTER JOIN

Customer				Ü	rderHeader
CustomerID	CustomerLastName	Ord	derID	OrderDate	OrderAmou
1	Smith	10	001	10/02/14	120
2	Kim	10	002	10/03/14	767
3	Morgan	10	003	10/14/14	855
4	Reed	10	004	10/15/14	1,245
5	Lynch	10	005	10/16/14	330
		10	006	10/10/14	557
		10	007	10/22/14	191

SELECT c.CustomerID, CustomerLastName, OrderID, OrderDate, OrderAmount

FROM Customer c

Customor

LEFT OUTER JOIN OrderHeader o

ON c.CustomerID = o.CustomerID

ORDER BY c.CustomerID, OrderID

What's returned?

RIGHT OUTER JOIN

Customer			Or	rderHeader	
tomerID	CustomerLastName	OrderID	OrderDate	OrderAmount	(
1	Smith	1001	10/02/14	120	
2	Kim	1002	10/03/14	767	
3	Morgan	1003	10/14/14	855	
4	Reed	1004	10/15/14	1,245	
5	Lynch	1005	10/16/14	330	
		1006	10/10/14	557	
		1007	10/22/14	191	

SELECT c.CustomerID, CustomerLastName, OrderID, OrderDate, OrderAmount

FROM Customer c

RIGHT OUTER JOIN OrderHeader o

ON c.CustomerID = o.CustomerID

ORDER BY c.CustomerID, OrderID

What's returned?