SQL JOINs

Common types
Inner Join
Outter Join
Self Join

INNER JOIN(DEFAULT JOIN)

Because CustomerID appears in both table so we need to tell SQL which CustomerID we use JOIN只返回有值条目

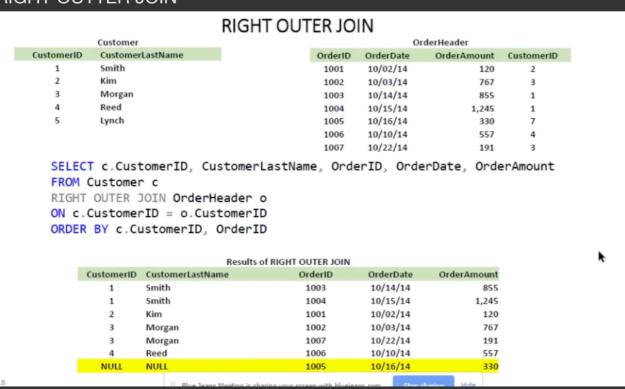
LEFT OUTTER JOIN

LEFT OUTER JOIN									
Customer		OrderHeader							
CustomerID	CustomerLastName		OrderID	OrderDate	OrderAmount	CustomerID			
1	Smith		1001	10/02/14	120	2			
2	Kim		1002	10/03/14	767	3			
3	Morgan		1003	10/14/14	855	1			
4	Reed		1004	10/15/14	1,245	1			
5	Lynch		1005	10/16/14	330	7			
			1006	10/10/14	557	4			
			1007	10/22/14	191	3			
SELECT c.CustomerID, CustomerLastName,			, Order	·ID, Order	Date, Orde	rAmount			
FROM Customer c									
LEFT OUTER JOIN OrderHeader o									
ON c.CustomerID = o.CustomerID									
ORDER BY c.CustomerID, OrderID									

左边所有的customer都会被返回

	Resul	ts of LEFT OUTER JOIN		
CustomerID	CustomerLastName	OrderID	OrderDate	OrderAmount
1	Smith	1003	10/14/14	855
1	Smith	1004	10/15/14	1,245
2	Kim	1001	10/02/14	120
3	Morgan	1002	10/03/14	767
3	Morgan	1007	10/22/14	191
4	Reed	1006	10/10/14	557
5	Lynch	NULL	NULL	NULL

RIGHT OUTTER JOIN



为什么第六行数据没有显示CustomerID 为7 的数据? 因为select 的是c.CustomerID

Convert left join to right join

• Swap left table and right table