







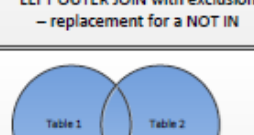
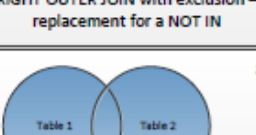

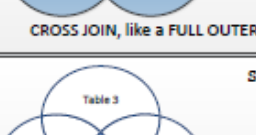


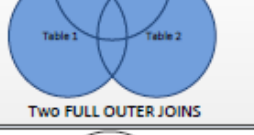


# TSQL JOIN TYPES

Created by Steve Stedman

 <p>SELECT * FROM Table_1;  SELECT * FROM Table_2;</p> <p>SELECT from two tables</p>	 <p>SELECT * FROM Table_1 t1 INNER JOIN Table_2 t2 ON t1.id = t2.fk;</p> <p>INNER JOIN</p>
 <p>SELECT * FROM Table_1 t1 LEFT JOIN Table_2 t2 ON t1.id = t2.fk;</p> <p>LEFT OUTER JOIN</p>	 <p>SELECT * FROM Table_1 t1 RIGHT JOIN Table_2 t2 ON t1.id = t2.fk;</p> <p>RIGHT OUTER JOIN</p>
 <p>SELECT * FROM Table_1 t1 WHERE EXISTS (SELECT 1 FROM Table_2 t2 WHERE t2.id = t1.fk );</p> <p>SEMI JOIN – Similar to INNER JOIN, with less duplication from Table 2.</p>	 <p>SELECT * FROM Table_1 t1 WHERE NOT EXISTS (SELECT 1 FROM Table_2 t2 WHERE t2.id = t1.fk );</p> <p>ANTI SEMI JOIN</p>
 <p>SELECT * FROM Table_1 t1 LEFT JOIN Table_2 t2 ON t1.id = t2.fk WHERE t2.fk is null;</p> <p>LEFT OUTER JOIN with exclusion – replacement for a NOT IN</p>	 <p>SELECT * FROM Table_1 t1 RIGHT JOIN Table_2 t2 ON t1.id = t2.fk WHERE t1.id is null;</p> <p>RIGHT OUTER JOIN with exclusion – replacement for a NOT IN</p>
 <p>SELECT * FROM Table_1 t1 FULL OUTER JOIN Table_2 t2 ON t1.id = t2.fk;</p> <p>FULL OUTER JOIN</p>	 <p>SELECT * FROM Table_1 t1 CROSS JOIN Table_2 t2;</p> <p>CROSS JOIN, like a FULL OUTER JOIN with out specifying JOIN condition.</p>
 <p>SELECT * FROM Table_1 t1 FULL OUTER JOIN Table_2 t2 ON t1.id = t2.fk WHERE t1.id is null OR t2.fk is null;</p> <p>FULL OUTER JOIN with exclusion – replacement for a double NOT IN</p>	 <p>SELECT * FROM Table_1 t1 INNER JOIN Table_2 t2 ON t1.id = t2.fk INNER JOIN Table_3 t3 ON t1.id = t3.fk;</p> <p>Two INNER JOINS</p>
 <p>SELECT * FROM Table_1 t1 FULL OUTER JOIN Table_2 t2 ON t1.id = t2.fk FULL OUTER JOIN Table_3 t3 ON t1.id = t3.fk;</p> <p>Two FULL OUTER JOINS</p>	 <p>SELECT * FROM Table_1 t1 INNER JOIN Table_2 t2 ON t1.id = t2.fk LEFT OUTER JOIN Table_3 t3 ON t1.id = t3.fk;</p> <p>INNER JOIN and a LEFT OUTER JOIN</p>
 <p>SELECT * FROM Table_1 t1 LEFT JOIN Table_2 t2 ON t1.id = t2.fk LEFT JOIN Table_3 t3 ON t1.id = t3.fk;</p> <p>Two LEFT OUTER JOINS</p>	

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