----Inner Join in SQL Server

--SELECT Cand.CandidateId, Cand.FullName,Cand.CompanyId, Comp.CompanyName FROM Candidate Cand

--INNER JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId;

--SELECT Cand.CandidateId,Cand.FullName, Cand.CompanyId, Comp.CompanyName FROM Candidate Cand

--JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId

----Joining three Tables in SQL Server:

--SELECT Cand.CandidateId,Cand.FullName, Cand.CompanyId, Comp.CompanyName, Addr.Country, Addr.State, Addr.City

--FROM Candidate Cand

--INNER JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId

--INNER JOIN Address Addr ON Addr.CandidateId = Cand.CandidateId;

--SELECT Cand.CandidateId,Cand.FullName,Cand.CompanyId, Comp.CompanyName,Addr.Country,Addr.State, Addr.City

--FROM Candidate Cand

--INNER JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId

--LEFT JOIN Address Addr ON Addr.CandidateId = Cand.CandidateId;

--===================================================================================================

----Left Outer Join in SQL Server

--SELECT Cand.CandidateId,Cand.FullName,Cand.CompanyId, Comp.CompanyId, Comp.CompanyName FROM Candidate Cand

--LEFT OUTER JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId;

--SELECT Cand.CandidateId,Cand.FullName,Cand.CompanyId, Comp.CompanyId, Comp.CompanyName FROM Candidate Cand

--LEFT JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId;

----How Can We Retrieve Only Non-Matching Rows From The Left Table in SQL Server?

--SELECT Cand.CandidateId,Cand.FullName, Cand.CompanyId, Comp.CompanyId, Comp.CompanyName FROM Candidate Cand

--LEFT JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId WHERE Comp.CompanyId IS NULL;

----Joining three Tables in SQL Server using Left Join:

--SELECT Cand.CandidateId,Cand.FullName, Cand.CompanyId, Comp.CompanyName, Addr.Country, Addr.State, Addr.City FROM Candidate Cand

--LEFT JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId

--LEFT JOIN Address Addr ON Addr.CandidateId = Cand.CandidateId;

--======================================================================================================

---- Right Outer Join in SQL Server

--SELECT Cand.CandidateId,Cand.FullName, Cand.CompanyId, Comp.CompanyId, Comp.CompanyName FROM Candidate Cand

--RIGHT OUTER JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId ;

--SELECT Cand.CandidateId, Cand.FullName, Cand.CompanyId, Comp.CompanyId, Comp.CompanyName FROM Candidate Cand

--RIGHT JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId;

----How to retrieve only the non-matching rows from the right table?

--SELECT Cand.CandidateId, Cand.FullName, Cand.CompanyId, Comp.CompanyId, Comp.CompanyName FROM Candidate Cand

--Right JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId WHERE Cand.CompanyId IS NULL;

--Joining three Tables in SQL Server:

--SELECT Cand.CandidateId,Cand.FullName, Cand.CompanyId, Comp.CompanyName, Addr.Country, Addr.State, Addr.City

--FROM Candidate Cand

--RIGHT JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId

--RIGHT JOIN Address Addr ON Addr.CandidateId = Cand.CandidateId;

--====================================================================================================

------Full Outer Join in SQL Server

--SELECT Cand.CandidateId,Cand.FullName, Cand.CompanyId, Comp.CompanyId, Comp.CompanyName FROM Candidate Cand

--FULL OUTER JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId;

--SELECT Cand.CandidateId,Cand.FullName, Cand.CompanyId, Comp.CompanyId, Comp.CompanyName FROM Candidate Cand

--FULL JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId;

------How to retrieve only the non-matching rows from both the left and right table?

--SELECT Cand.CandidateId,Cand.FullName,Cand.CompanyId, Comp.CompanyId,Comp.CompanyName FROM Candidate Cand

--FULL JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId

--WHERE Cand.CompanyId IS NULL OR Comp.CompanyId IS NULL ;

------Joining three Tables using Full Outer Join:

--SELECT Cand.CandidateId,Cand.FullName, Cand.CompanyId, Comp.CompanyName, Addr.Country, Addr.State, Addr.City FROM Candidate Cand

--FULL JOIN Company Comp ON Cand.CompanyId = Comp.CompanyId

--FULL JOIN Address Addr ON Addr.CandidateId = Cand.CandidateI

--=====================================================================================================

----SQL Server Self Join

--Self Join Query:

--SELECT E.Name as Employee, M.Name as Manager FROM Employee E

--LEFT JOIN Employee M ON E.ManagerId = M.EmployeeId

----Inner Self Join Employee table:

--SELECT E.Name as Employee, M.Name as Manager FROM Employee E

--INNER JOIN Employee M ON E.ManagerId = M.EmployeeId

----Cross Self Join Employee table:

--SELECT E.Name as Employee, M.Name as Manager FROM Employee E

--CROSS JOIN Employee M

----==========================================================================================

----Cross Join in SQL Server

--SELECT Cand.CandidateId,Cand.FullName,Cand.CompanyId, Comp.CompanyId, Comp.CompanyName FROM Candidate Cand

--CROSS JOIN Company Comp