I have used the following 2 tables Employee and Department as examples.  
  
  
**Employee Table :- Department Table:-**  
  
EmployeeID EmployeeName DepartmentID DepartmentID DepartmentName  
1 Smith 1 1 HR  
2 Jack 2 2 Finance  
3 Jones 2 3 Security  
4 Andrews 3 4 Sports  
5 Dave 5 5 HouseKeeping  
6 Jospeh 6 Electrical   
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
**Inner Join**  
  
An Inner Join will take two tables and join them together based on the values in common columns ( linking field ) from each table.  
  
**Example 1 :-**To retrieve only the information about those employees who are assinged to a department.   
  
Select Employee.EmployeeID,Employee.EmployeeName,Department.DepartmentName From Employee Inner Join Department on Employee.DepartmentID = Department.DepartmentID  
  
The ResultSet will be :-   
  
EmployeeID EmployeeName DepartmentName  
1 Smith HR   
2 Jack Finance  
3 Jones Finance  
4 Andrews Security  
5 Dave HouseKeeping   
  
**Example 2:-**Retrieve only the information about departments to which atleast one employee is assigned.  
  
Select Department.DepartmentID,Department.DepartmentName From Department Inner Join Employee on Employee.DepartmentID = Department.DepartmentID  
  
The ResultSet will be :-   
  
DepartmentID DepartmentName  
1 HR  
2 Finance  
3 Security  
5 HouseKeeping  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  
**Outer Joins :-**  
  
Outer joins can be a left, a right, or full outer join.   
  
**Left outer join**selects all the rows from the left table specified in the LEFT OUTER JOIN clause, not just the ones in which the joined columns match.   
  
**Example 1:-**To retrieve the information of all the employees along with their Department Name if they are assigned to any department.  
  
  
Select Employee.EmployeeID,Employee.EmployeeName,Department.DepartmentName From Employee LEFT OUTER JOIN Department on Employee.DepartmentID = Department.DepartmentID  
  
The ResultSet will be :-   
  
EmployeeID EmployeeName DepartmentName  
1 Smith HR  
2 Jack Finance  
3 Jones Finance   
4 Andrews Security   
5 Dave HouseKeeping  
6 Jospeh   
  
**Right outer join** selects all the rows from the right table specified in the RIGHT OUTER JOIN clause, not just the ones in which the joined columns match.   
  
  
**Example 2:-**use Right Outer join to retrieve the information of all the departments along with the detail of EmployeeName belonging to each Department, if any is available.   
  
Select Department.DepartmentID,Department.DepartmentName,Employee.EmployeeName From Employee Outer Join Department on Employee.DepartmentID = Department.DepartmentID  
  
The ResultSet will be :-   
  
DepartmentID DepartmentName EmployeeName  
1 HR Smith  
2 Finance Jack  
2 Finance Jones  
3 Security Andrews  
4 Sports NULL  
5 HouseKeeping Dave  
6 Electrical NULL  
  
This query will result in Null value for Employee Name where no Employee is assigned to that department.