

Hartman Consulting Associates (c) 2022

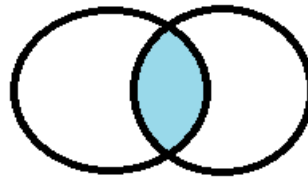
Example Name / Description

Image

SQL String

Inner Join

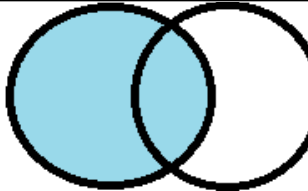
Select rows from A where there is a match in B.



```
SELECT A.FirstName, A.City, B.State
FROM tblPeople AS A INNER JOIN
tblLocations AS B ON A.City = B.City;
```

Left Join

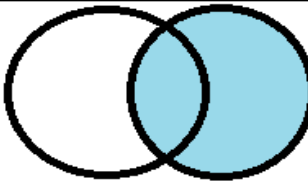
Select all rows from A plus data where there is a match in B.



```
SELECT A.FirstName, A.City, B.State
FROM tblPeople AS A LEFT JOIN
tblLocations AS B
ON A.City = B.City;
```

Right Join

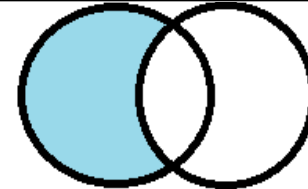
Select all rows from B plus data where there is a match in A.



```
SELECT A.FirstName, B.City, B.State
FROM tblPeople AS A RIGHT JOIN
tblLocations AS B
ON A.City = B.City;
```

Left Join Excluding

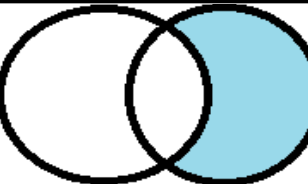
Select all rows from A plus data where there is NO match in B.



```
SELECT A.FirstName, A.City, B.State
FROM tblPeople AS A LEFT JOIN
tblLocations AS B
ON A.City = B.City
WHERE ((B.State) Is Null);
```

Right Join Excluding

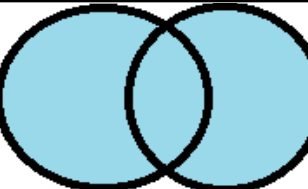
Select all rows from B plus data where there is NO match in A.



```
SELECT A.FirstName, B.City, B.State
FROM tblPeople AS A RIGHT JOIN
tblLocations AS B
ON A.City = B.City
WHERE (((A.FirstName) Is Null));
```

Full Outer Join

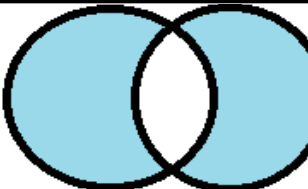
Select all rows from A and all rows from B even when there is NO match.



```
SELECT A.FirstName, A.City, B.State
FROM tblPeople AS A LEFT JOIN
tblLocations AS B
ON A.City = B.City
UNION SELECT A.FirstName, B.City, B.State
FROM tblPeople AS A RIGHT JOIN
tblLocations AS B
ON A.City = B.City;
```

Full Outer Join Excluding

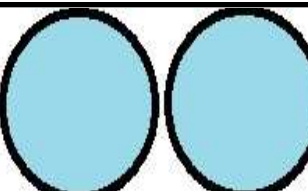
Select all rows from A and all rows from B only when there is NO match.



```
SELECT A.FirstName, A.City, B.State
FROM tblPeople AS A LEFT JOIN
tblLocations AS B
ON A.City = B.City WHERE B.City Is Null
UNION SELECT A.FirstName, B.City, B.State
FROM tblPeople AS A RIGHT JOIN
tblLocations AS B
ON A.City = B.City WHERE A.City Is Null;
```

Cross Join

Select all rows from A multiplied by all rows in B.



```
SELECT A.FirstName, A.City, B.State
FROM tblPeople AS A, tblLocations AS B;
```