

What are SQL JOINS



SWIPE <<<



SQL JOINS

SQL joins statements allow us to access information from **two or more** tables at once. They also keep our database **normalized**.

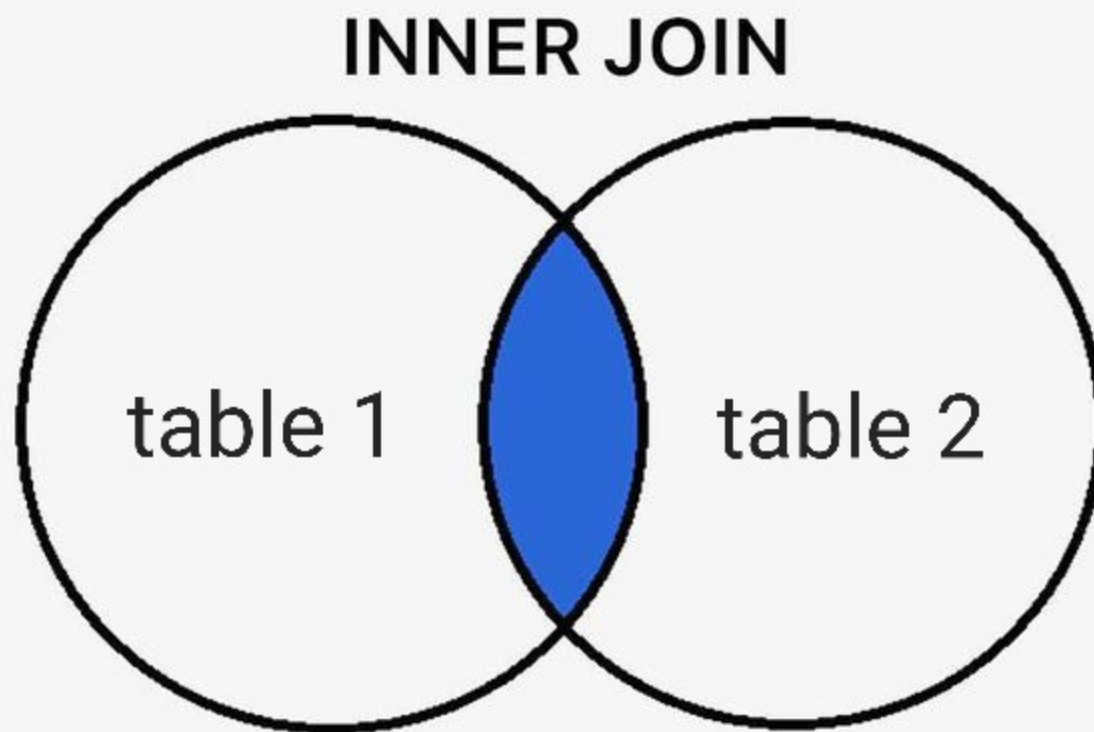
Different types of Joins are:

- INNER JOIN
- **LEFT JOIN**
- RIGHT JOIN
- **FULL JOIN**



INNER JOIN

Returns dataset that have matching values in both tables.

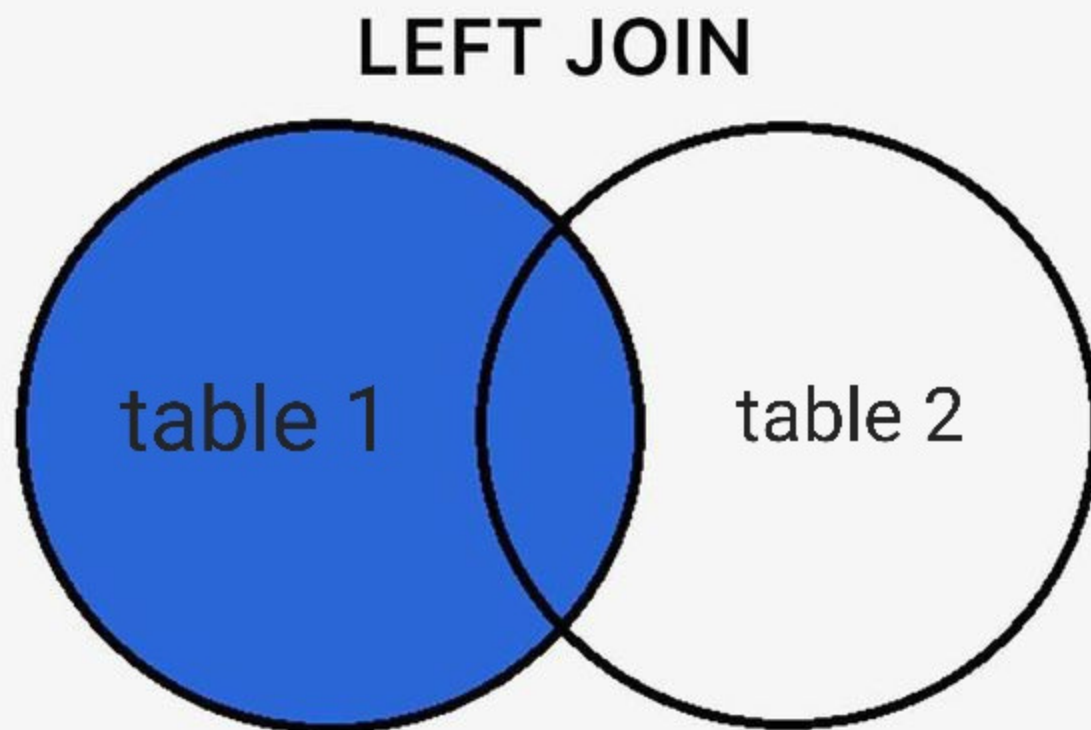


```
SELECT column_name(1)
FROM table1
INNER JOIN table2
ON table1.column_name = table2.column_name;
```



LEFT JOIN

Returns all records from the left table and matched records from the right.

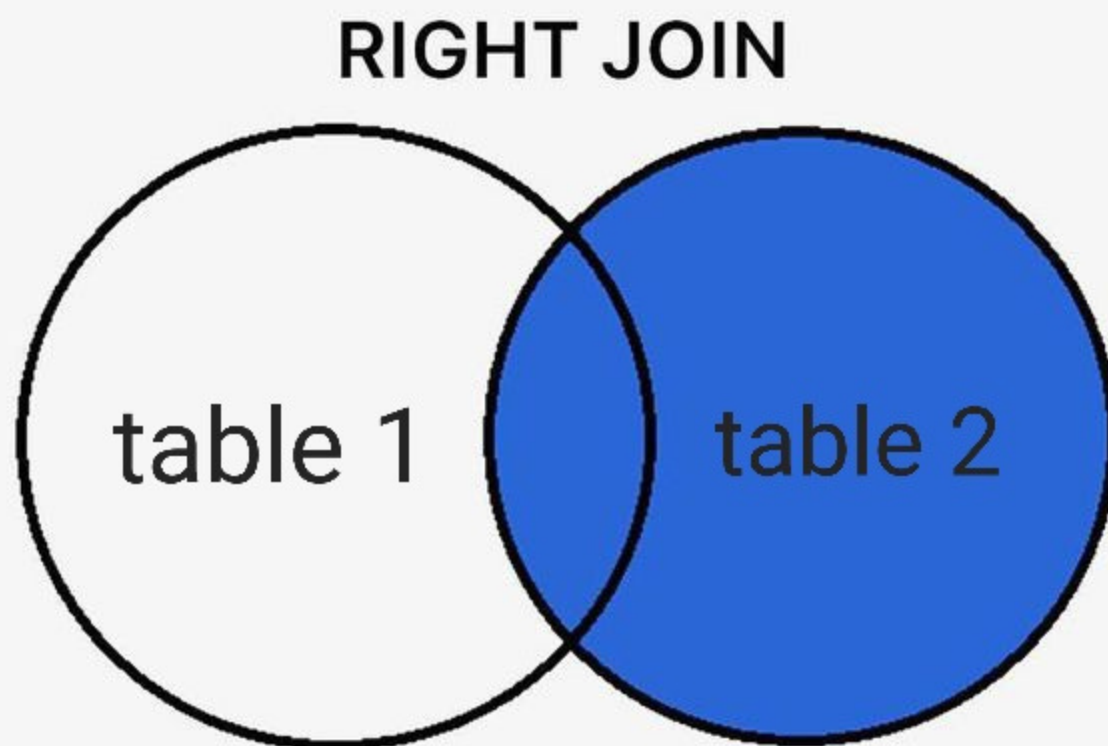


```
SELECT column_name(1)
FROM table1
LEFT JOIN table2
ON table1.column_name = table2.column_name;
```



RIGHT JOIN

Returns all records from the right table and matched records from the left.



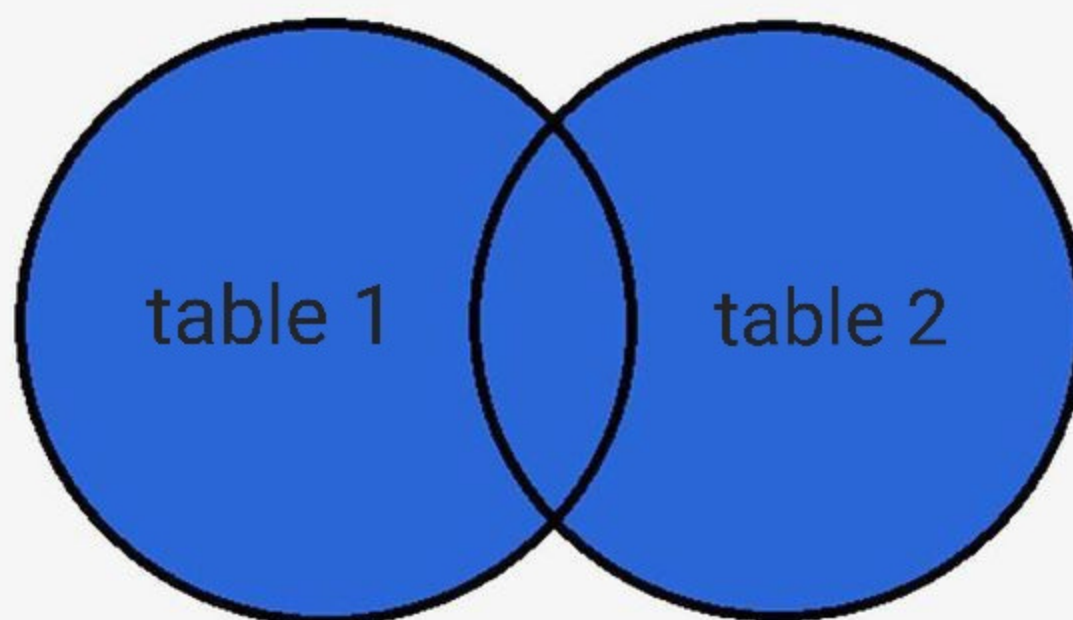
```
SELECT column_name(1)
FROM table1
RIGHT JOIN table2
ON table1.column_name = table2.column_name;
```




FULL JOIN

Returns all records when there is a match in either the left table or right table.

FULL OUTER JOIN



```
SELECT column_name(1)
FROM table1
FULL OUTER JOIN table2
ON table1.column_name = table2.column_name;
WHERE condition;
```

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