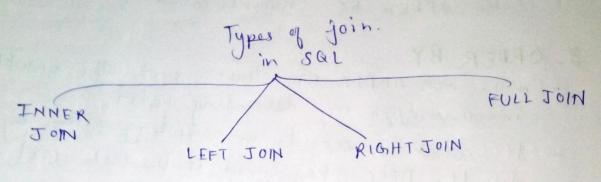
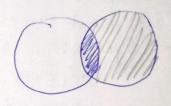
# SQL JOINS

SQL join operation combined data or rower from two or rose tables bosed on common field between them.



(i) SQL INNER JOIN:

all raws from both the tables as long as the conditions is satisfied.



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- left join returns all the rouns of the table on the left side of the join and vootohus rouns for the table on the right side of the join.

- for the raw for owhich there is no matching.

row on the right side, the result-set will

contain null.

- it is also known as Left outer join.

# (1) SQL RIGHT JOIN

- RIGHT JOIN neturns all the raws of.

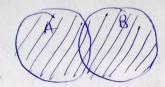
the table on the right side of the fable.

Join and matching raws for the table.

on the left gide of the join.

(10) SQL FULL JOIN: FULL JOIN creater the result-set by combining. - the result-set will contain all the raws form.

- for the raws for which there is no matching, the result-set will contain NULL values.



CROSS JOIN: (cartesian froducts)

In SQL, a cross join (also known as a contesion. product) is a type of join that geturns the cartesima product of the two tables being joined. in other words, it returns all possible combinations of raws from the two tables.

## SELF JOIN:

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- A self goin is a type of join in which stable is joined with itself. This means that the table is treated as two separate tables, with each saw in the table being compared to every other raws in
  - Self foirs are used when you want to compare. the values of two different rouns within the Some table. for example, me might use a self. join to compare the salaries of two employees. who work in the some department, or to find all pairs of enstoners who have the same billing

# SGL set operations:

#### 1. UNION:

The union operates is used to combine the result of two or more SELECT statements into a single result. set. The UNION operator removes. deplicate rams between the various SELECT statements.

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### 2. UNION ALL:

The UNION ALL operator is similar to the UNION operator, but it does not remove deplicate rams from the result set.

#### 3. INTERSECT:

The INTERSECT operator seturns only the raws. that appear in both searth set of two. SELECT statements.

### 4. EXCEPT:

The EXCEPT Or MINUS operator returns only. the distinct saw that appear in the first result set but not in the swond sesult set of two SELECT statements.