LET'S START WITH SQL :)

Joins in SQL

Joins are used to combine rows from two or more tables based on a related or shared or common column between them. There are commonly 4 types of joins including **INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL JOIN, SELF JOIN , CROSS JOIN.**

id	Name	Age
1	Riya	17
2	Rahul	18
3	Ram	17

Student

id	course_id	course_name
1	101	Eng
2	102	Hin
3	103	PhE

Course

LET'S START WITH SQL :)

Joins in SQL
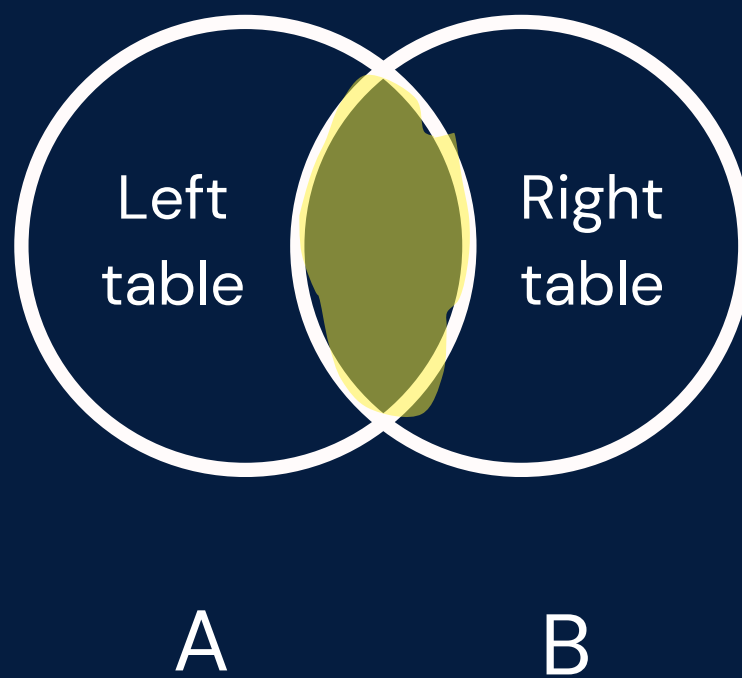
Q. Is Foreign Key important for performing joins?

->Joins can be performed based on any columns that establish a relationship between tables, not just FK constraints, so its not necessary.

LET'S START WITH SQL :)

Joins in SQL

Types of Joins in SQL

1.Inner Join

Left table (A) / Right table (B)

rollno	name
1	Ram
2	Rahul
3	Riti

Student

rollno	c_name
2	Hindi
3	Eng
4	Maths

Course

LET'S START WITH SQL :)

Joins in SQL

Types of Joins in SQL

2. Left Join/Left Outer Join
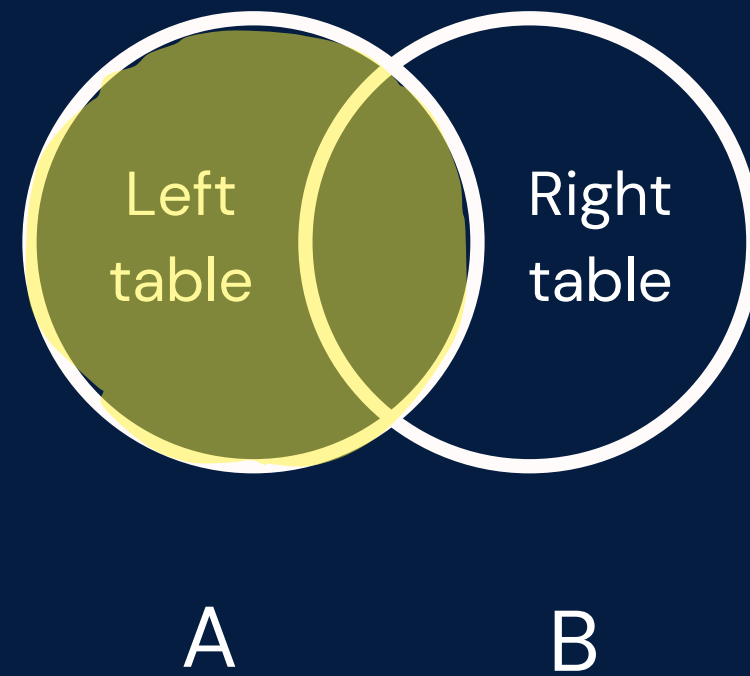
A   B

rollno	name
1	Ram
2	Rahul
3	Riti

Student

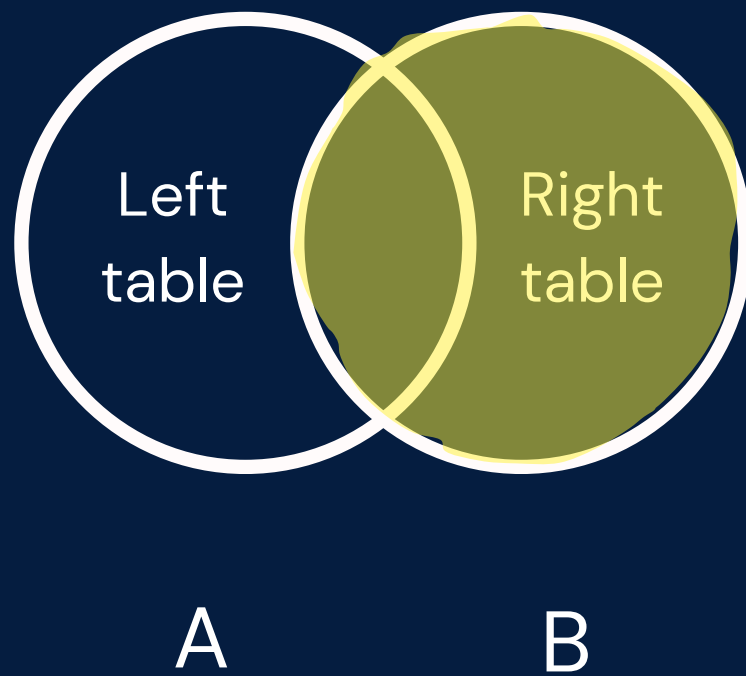| **rollno**	**c_name**
2	Hindi
3	Eng
4	Maths

Course

LET'S START WITH SQL :)

Joins in SQL

Types of Joins in SQL

3. Right Join/ Right Outer Join

A   B

Student

rollno	name
1	Ram
2	Rahul
3	Riti

Course

rollno	c_name
2	Hindi
3	Eng
4	Maths

LET'S START WITH SQL :)

Joins in SQL

Types of Joins in SQL

4. Full Join/Full Outer Join
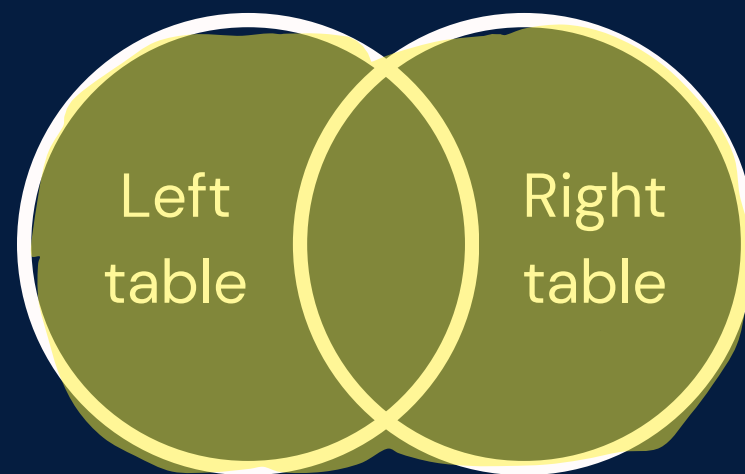
A   B

rollno	name
1	Ram
2	Rahul
3	Riti

Student

rollno	**c_name**
2	Hindi
3	Eng
4	Maths

Course

LET'S START WITH SQL :)

Types of Joins in SQL

5. Self Join

rollno	name
1	Ram
2	Rahul
3	Riti

A
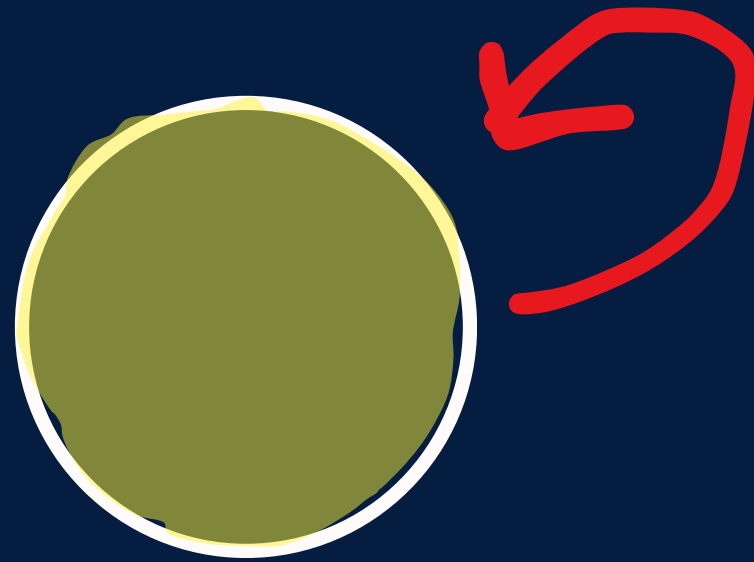
Student

LET'S START WITH SQL :)

Types of Joins in SQL

6. Cross Join

A   B

rollno	name
1	Ram
2	Rahul
3	Riti

Student

rollno	c_name
2	Hindi
3	Eng
4	Maths

Course