Why Joins ?

Joins are used to combine the data of two or more table which are related with each other.

- Usually uses doesn't get desired information in one table so to get data, here the join scenario will come across.

customus:

Customer ID	Name	` cîty
01	Milee	Hyderabad
02	David	Bangalose
03	steve	belhi

Ordus:

Order JD	Order Date	Cw.ID
1001	2021-09-20	1
1002	2020-04-10	1
1003	2019-12-30	9

* primary key customer ID

* primary key Dade ID

				Invet	be	alway	unique
Note:	Paimary	lcey	values	Thucsi		0	

Diffuent types of Joins:

- Inner Join
- _ Oder Join
- Left Join
- Right Join.
- Cooss Join.

Inner Join: Inrer join removes all the values which are not common in both tables, basically it is intersection of both tables and retoive the data based on Inner join condition.

syntax:

SELECT customers. Customer ID, Name, City,

Order ID, From Customers

INNER JOIN . Orders ON Orders . waterhers

= customers. Customer ID;

Customer ID	Name	City :	OrderID	[Order Date
01	Mike	Hyduabad	1001	2021-9-20
01	Mike	tyduabad	1002	2020-4-10

Left Join: In the left join all the 2006 are setived is is issuspective of Right one if any eight one matches the table, it is returned else null is appended in that Novos.

syntax:

From Customers. Customer JD, Name, city, Order JD

LEFT JOIN Orders ON Orders. Order JD = Customers customer ID;

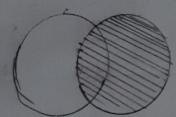
Customer ID	Name	City	OrderID	Order Date
a	Mike	tyduabad	1002	2020-04-10
02	Mike	Hyduabad	1001	2021-09-20
02	David	Bangalous	Mull	Null
03	steve	Delhi	Null	Null

Right Join: In the Right join all the was in the eight table are retrived irrespective of left, If any matches found in Loft, then the left table data is retrived else rull is appended in that sows.

SELECT Orders. customers ID, Name, city, Order ID, Order Date

RIGHT JOIN Orders ON orders. Customers ID = customers.

customers ID;



	Nome	i city to	iduID	OrdenDate
CustomuID		ty duabact	1001	202)-09-20
01	1	try decabad		2020-04-10
01		Mull	1003	2019-12-30
09	-			

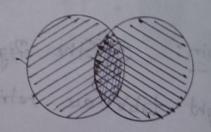
Outer poin: Outer poins usually retrieve the data from both tables along with associated Ablel values in the respective of left and Right tables.

syntax:

Left join syltax

union

Right join syntax;

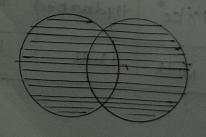


				10 1 1 1	
	Customer ID	Name	City	OrduID	Orderbate
0(ol man, alm	mike	trydeabad	1002	2020-04-10
	01	Mike	thydecabad	1001	2021-09-20
	02	David	Bangalore	rlull	alule
	03	steve	Delhi	Null a	rlutt
	09	Null	Null	1003	2019-12-30

Goss join: Get Cross join netrives the data

from both the tables where every now consists

values without null values.



Customer ID	Name	City	Ordu ID	OrderDate
01	Mike	Hyduabad	1001	2021-09-20
01	Mike	tyderabad	1005	2020-04-10