

ALTER

ALTER

id (SERIAL)	employee_id (INTEGER)	name (VARCHAR(50))
1	4560	John
2	8962	Doe

id (SERIAL)	employee_i d (INTEGER)	name (VARCHAR(50))	dob DATE
1	4560	John	20-12-1994
2	8962	Doe	23-12-1992

id (SERIAL)	employee_id (INTEGER)	name (VARCHAR(25))
1	4560	John
2	8962	Doe

ALTER

**ALTER TABLE table_name
action;**

Rename table

Modify data type

Add/Drop column

Setting Deafault Value

Rename column

Add/Drop Constraint

SELECT

SELECT

The **SELECT** statement is used to retrieve data from one or more tables and can be customized with conditions, sorting, and other clauses.

SELECT

The **SELECT** statement is used to retrieve data from one or more tables and can be customized with conditions, sorting, and other clauses.

GROUP

JOIN

SELECT

ORDER

FROM

OFFSET

HAVING

DISTINCT

WHERE

LIMIT

Scaler

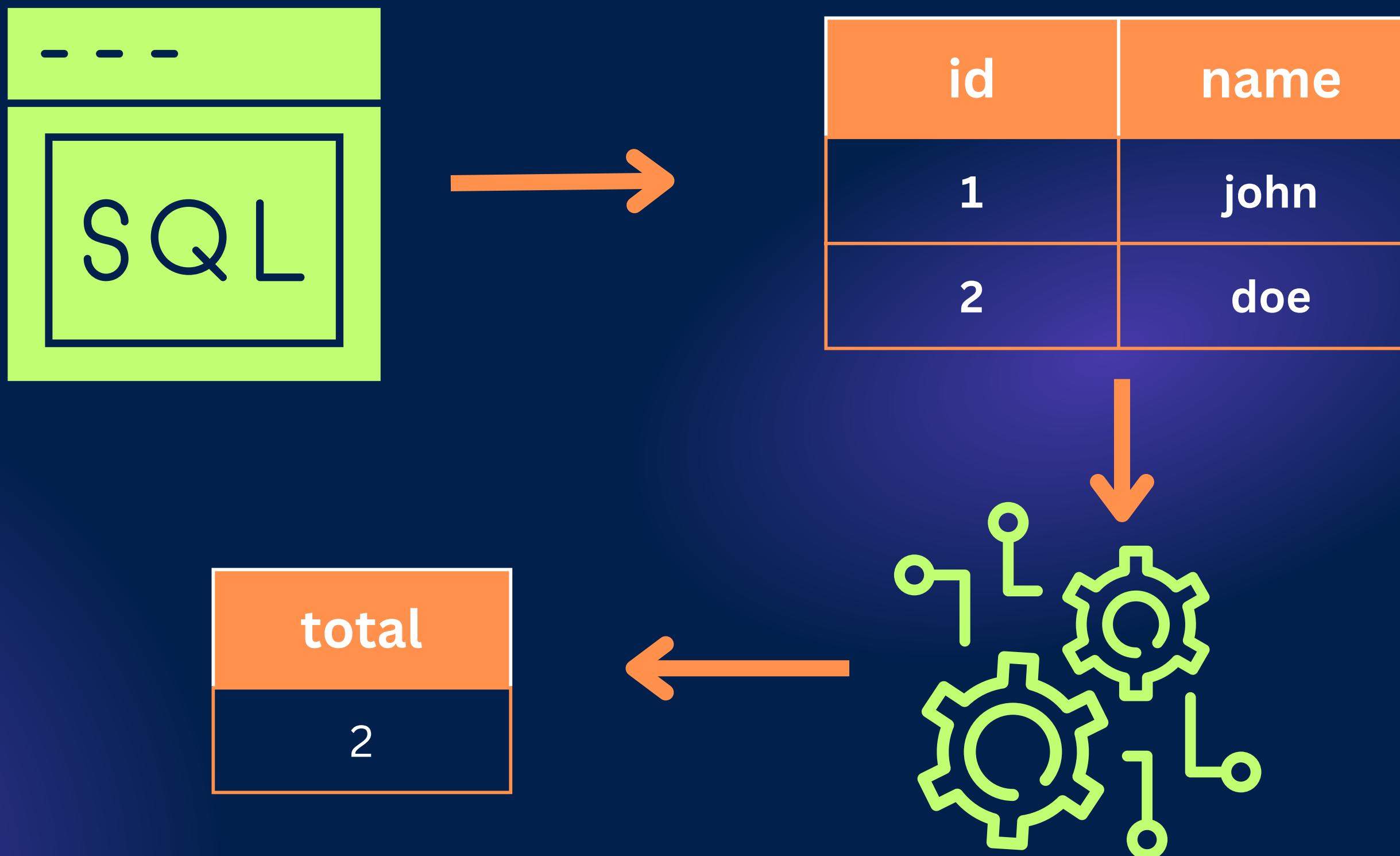


id	name
1	john
2	doe

name
JOHN
DOE



Aggregate



Group by

Split, Apply, Combine

x	age
a	20
a	30
b	10
b	25



a	20
a	30



b	10
b	25

x	y
a	25
b	17.5

Group by

Split, Apply, Combine

x	age
a	20
a	30
b	10
b	25



a	20
a	30



b	10
b	25

x	y
a	25
b	17.5

Foreign Key

Post

id	title	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagar! 🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

PK

FK

User

id	username
1	akash
2	batash
3	sagor
4	nodi

PK

Uniquely identifies row to another table which is connected to the row of this table

Foreign Key

```
CREATE TABLE post(
    id SERIAL PRIMARY KEY,
    title TEXT,
    user_id INTEGER REFERENCES user(id)
);
```

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥟	1
3	Exploring adventures with Sagor.⭐️	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Foreign Key

```
CREATE TABLE post(
    id SERIAL PRIMARY KEY,
    title TEXT,
    user_id INTEGER REFERENCES user(id)
);
```

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥟	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Foreign Key

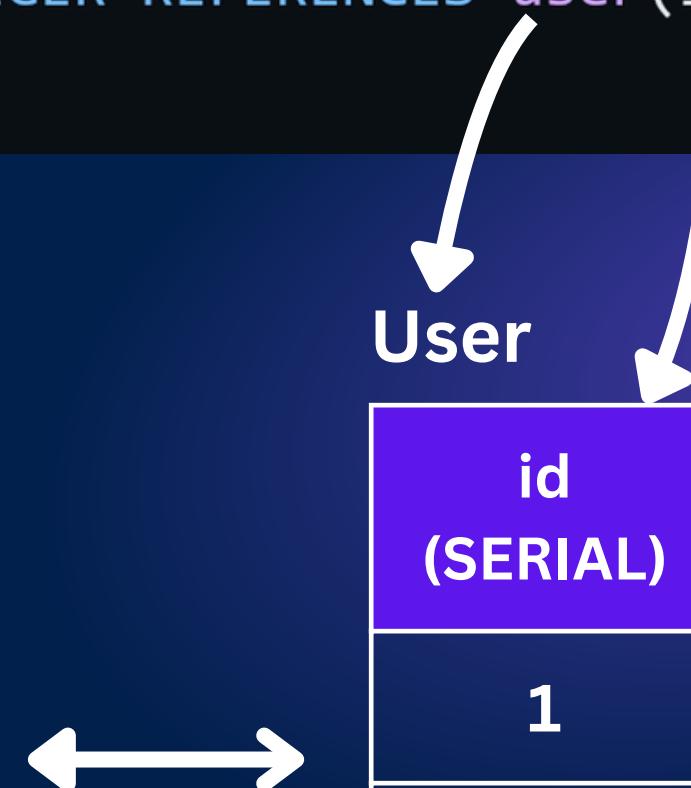
```
CREATE TABLE post(
    id SERIAL PRIMARY KEY,
    title TEXT,
    user_id INTEGER REFERENCES user(id)
);
```

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥟	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi



Foreign Key

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi



Foreign Key

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍳	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi



Retrieve all posts for user with ID 4

```
SELECT * FROM post
WHERE user_id = 4
```

Foreign Key

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi



Retrieve all posts for user with ID 4

```
SELECT * FROM post
WHERE user_id = 4
```

Retrieve all posts title with their username

title (TEXT)	username
Enjoying a sunny day with Akash! ☀️	batash
Batash just shared an amazing recipe! 🍲	akash
Exploring adventures with Sagor.🌟	nodi
Nodi's wisdom always leaves me inspired. 📚	nodi

Foreign Key

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Retrieve all posts title with their username



title (TEXT)	username
Enjoying a sunny day with Akash! ☀️	batash
Batash just shared an amazing recipe! 🍲	akash
Exploring adventures with Sagor.🌟	nodi
Nodi's wisdom always leaves me inspired. 📚	nodi

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post & User

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post & User

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	1	akash
2	Batash just shared an amazing recipe! 🍲	1	2	batash
3	Exploring adventures with Sagor.🌟	4	3	sagor
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.⭐️	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2		
2	Batash just shared an amazing recipe! 🍲	1		
3	Exploring adventures with Sagor.⭐️	4		
4	Nodi's wisdom always leaves me inspired. 📚	4		

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.⭐️	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🍲	1		
3	Exploring adventures with Sagor.⭐️	4		
4	Nodi's wisdom always leaves me inspired. 📚	4		

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.⭐️	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🍲	1	1	akash
3	Exploring adventures with Sagor.⭐️	4		
4	Nodi's wisdom always leaves me inspired. 📚	4		

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.⭐️	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🍲	1	1	akash
3	Exploring adventures with Sagor.⭐️	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.⭐️	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post & User

	title (TEXT)			username (VARCHAR(25))
	Enjoying a sunny day with Akash! ☀️			batash
	Batash just shared an amazing recipe! 🍲			akash
	Exploring adventures with Sagor.⭐️			nodi
	Nodi's wisdom always leaves me inspired. 📚			nodi

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

JOIN

Post & User

title (TEXT)	username (VARCHAR(25))
Enjoying a sunny day with Akash! ☀️	batash
Batash just shared an amazing recipe! 🍲	akash
Exploring adventures with Sagor.🌟	nodi
Nodi's wisdom always leaves me inspired. 📚	nodi

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi

User

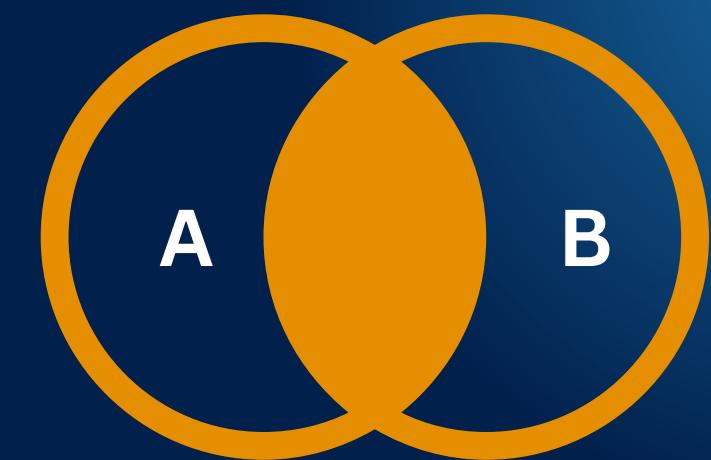
id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi



Inner Join

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL



Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Inner Join

Post

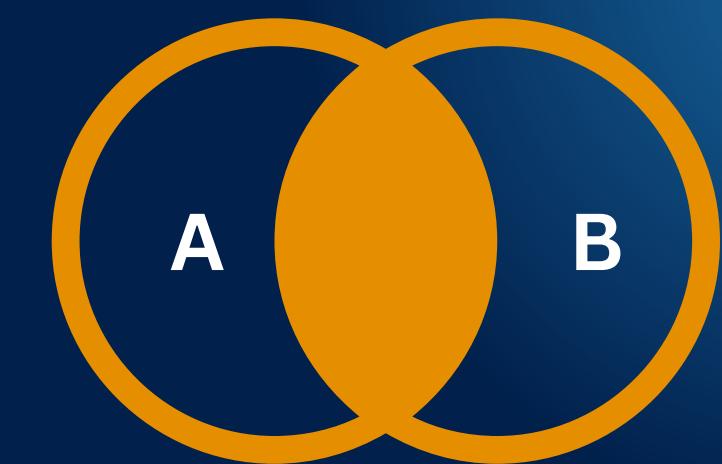
id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi
5	this is a test post title	NULL		



Inner Join

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Post & User

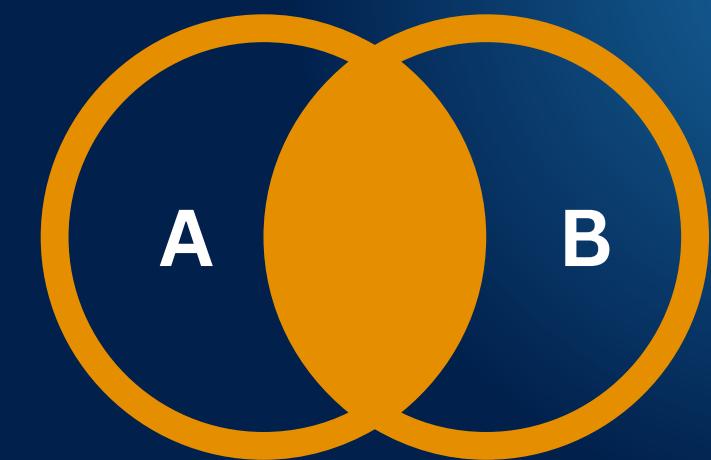
id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi
5	this is a test post title	NULL		



Inner Join

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL



Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🍲	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Inner Join

Post

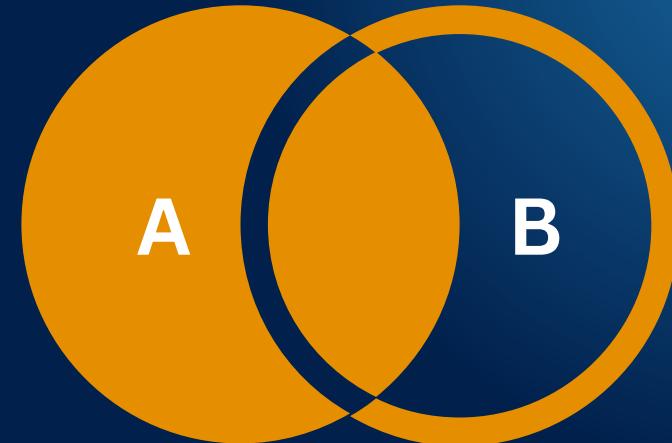
id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi
5	this is a test post title	NULL		



Left Join

Post

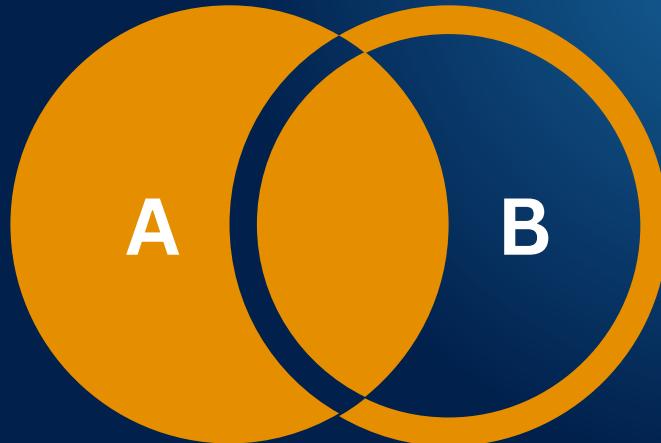
id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi
5	this is a test post title	NULL	NULL	NULL



Left Join

Post

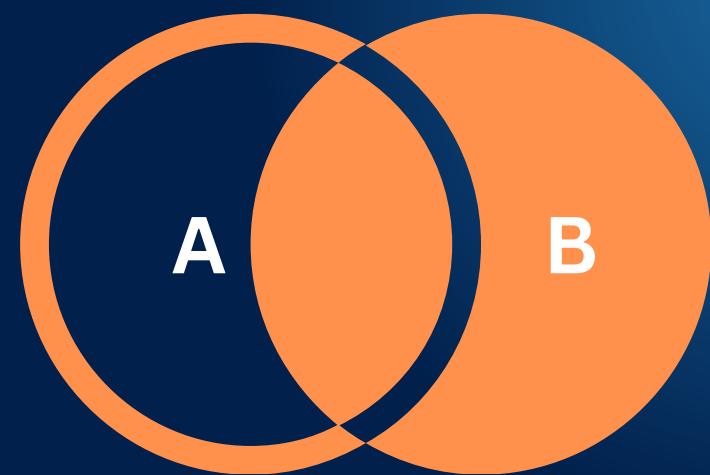
id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi
5	this is a test post title	NULL	NULL	NULL



Right Join

Post

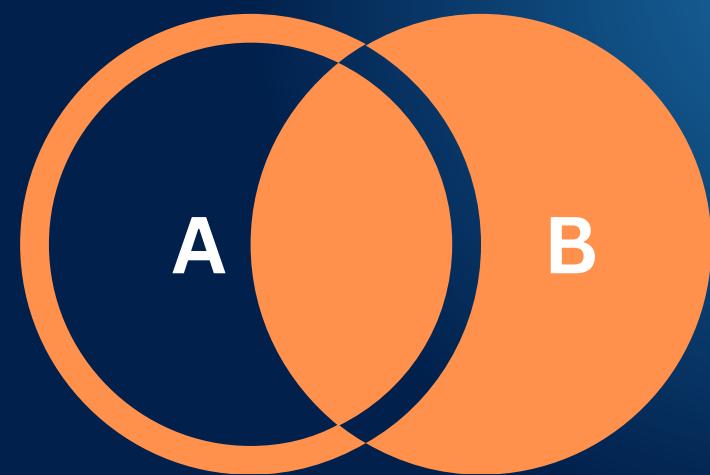
id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Post & User

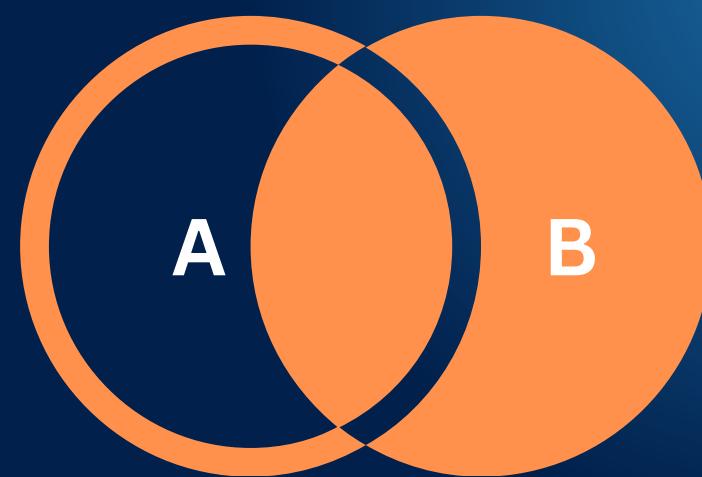
id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi
5	this is a test post title	NULL	NULL	NULL



Right Join

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL



Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Right Join

Post

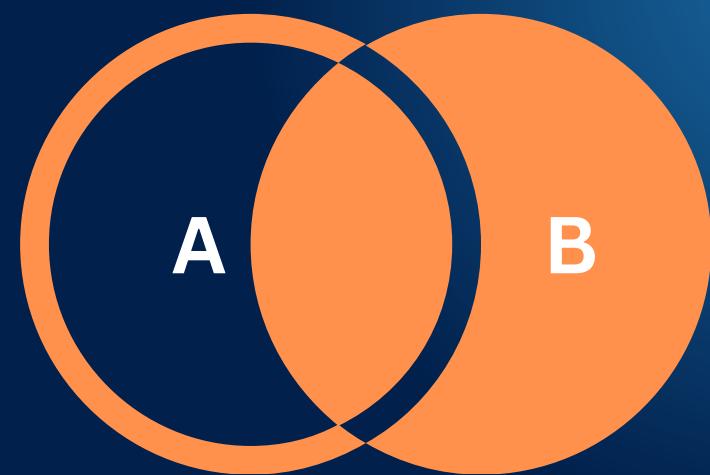
id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi
			3	sagor



Right Join

Post

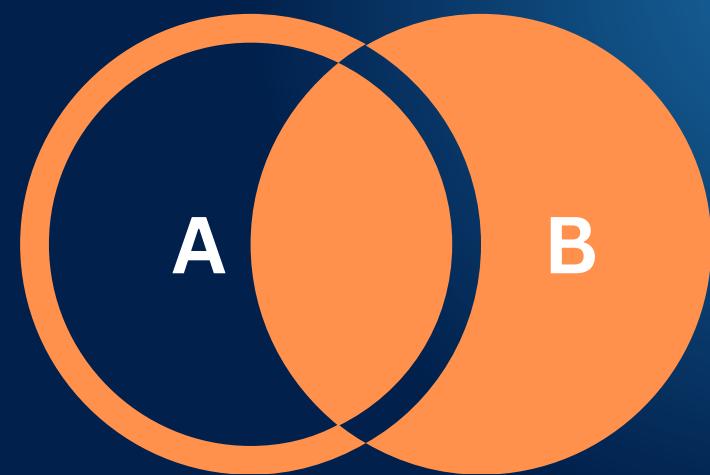
id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🍲	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL

User

id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Post & User

id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🍲	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi
NULL	NULL	NULL	3	sagor



Right Join

Post

id (SERIAL)	title (TEXT)	user_id
1	Enjoying a sunny day with Akash! ☀️	2
2	Batash just shared an amazing recipe! 🥪	1
3	Exploring adventures with Sagor.🌟	4
4	Nodi's wisdom always leaves me inspired. 📚	4
5	this is a test post title	NULL

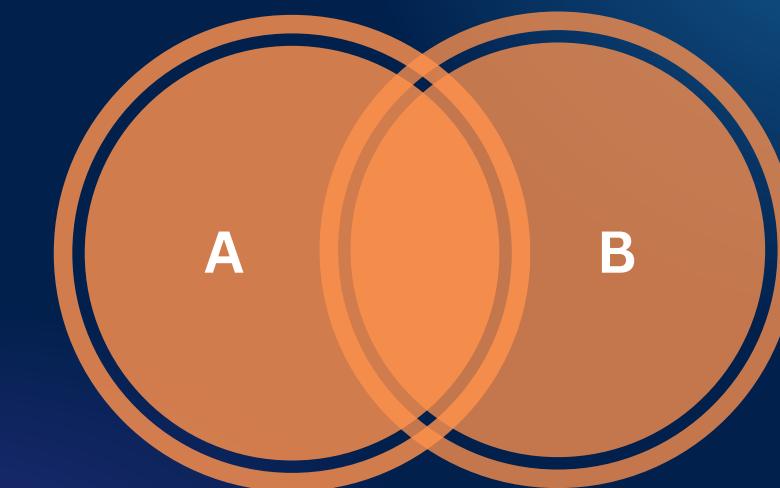
User

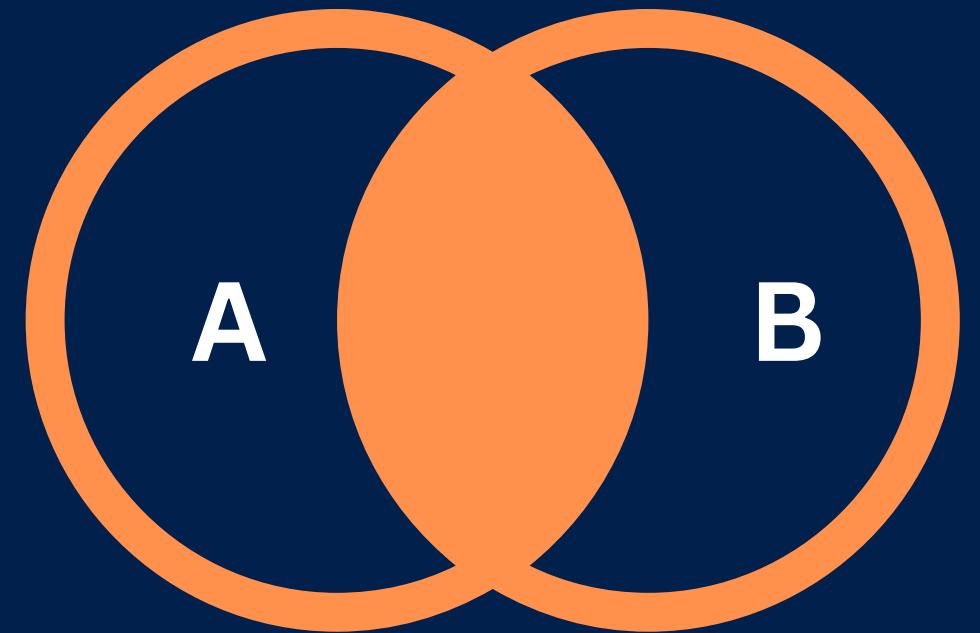
id (SERIAL)	username (VARCHAR(25))
1	akash
2	batash
3	sagor
4	nodi

Post & User

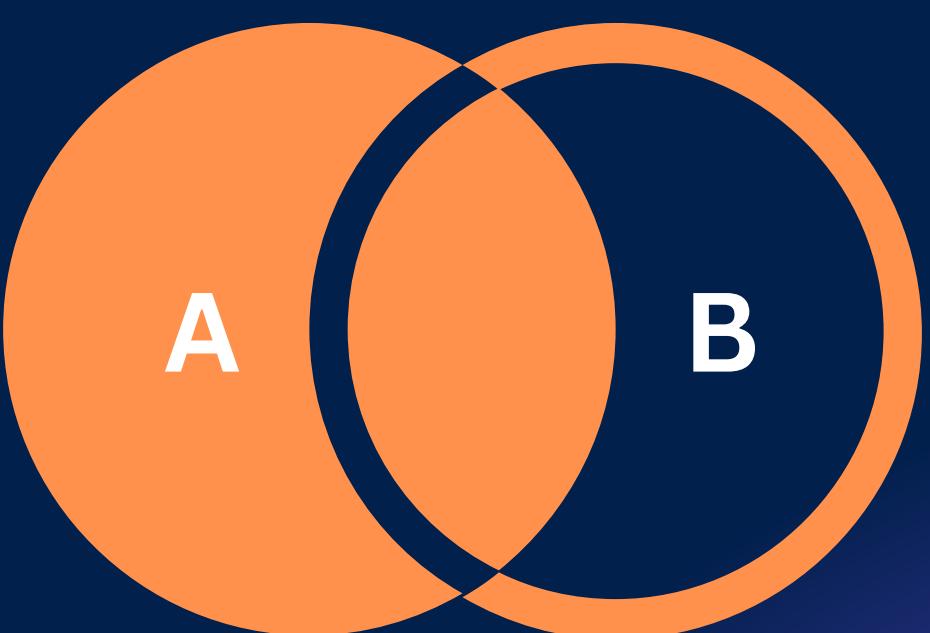
id (SERIAL)	title (TEXT)	user_id	id (SERIAL)	username (VARCHAR(25))
1	Enjoying a sunny day with Akash! ☀️	2	2	batash
2	Batash just shared an amazing recipe! 🥪	1	1	akash
3	Exploring adventures with Sagor.🌟	4	4	nodi
4	Nodi's wisdom always leaves me inspired. 📚	4	4	nodi
5	this is a test post title	NULL	NULL	NULL
NULL	NULL	NULL	3	sagor

Full Join

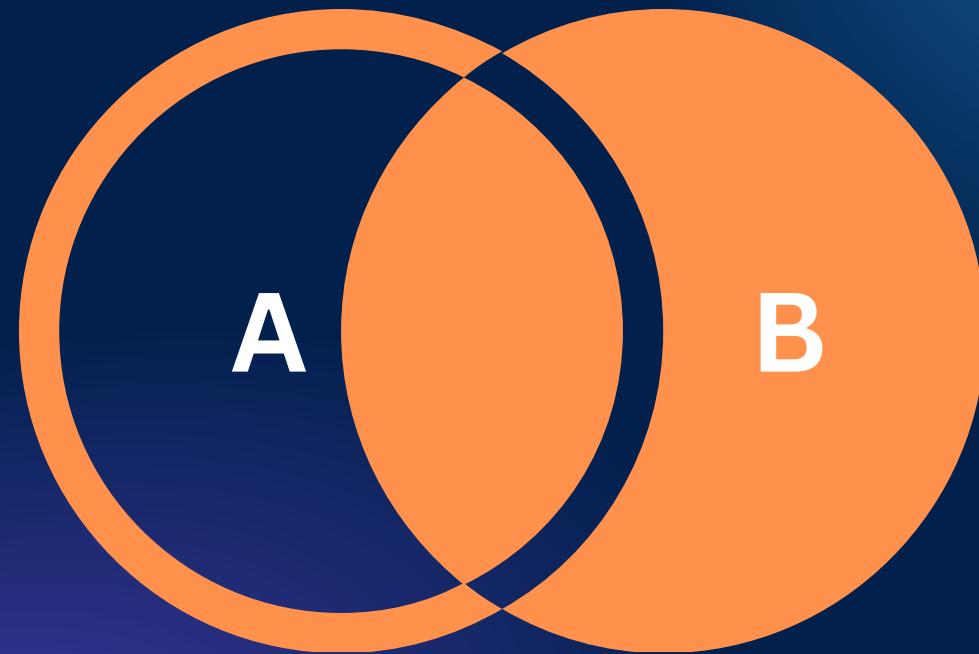




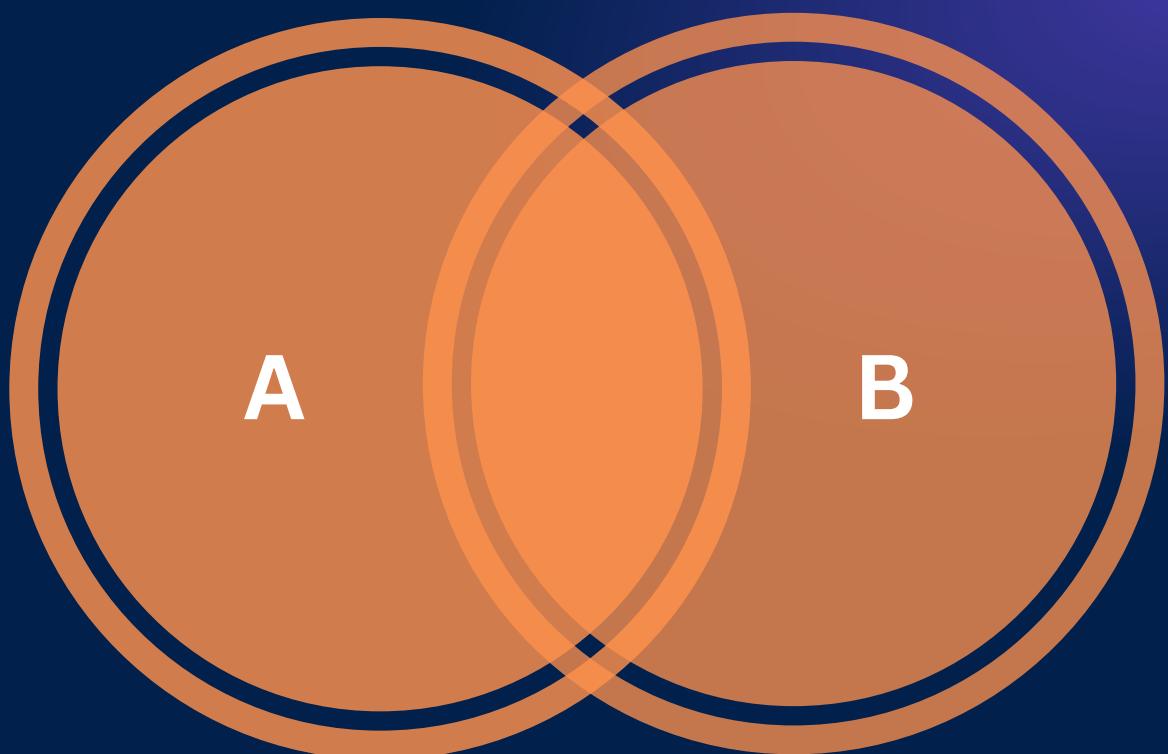
Inner



Left



Right



Full

CROSS JOIN

emp_id	emp_name	dept_id
1	John Doe	101
2	Jane Smith	102



dept_id	dept_name
101	Human Resources
102	Marketing

emp_id	emp_name	dept_id	dept_id	dept_name
1	John Doe	101	101	Human Resources
2	Jane Smith	102	101	Human Resources
1	John Doe	101	102	Marketing
2	Jane Smith	102	102	Marketing

CROSS JOIN

emp_id	emp_name	dept_id
1	John Doe	101
2	Jane Smith	102



dept_id	dept_name
101	Human Resources
102	Marketing

emp_id	emp_name	dept_id	dept_id	dept_name
1	John Doe	101	101	Human Resources
2	Jane Smith	102	101	Human Resources
1	John Doe	101	102	Marketing
2	Jane Smith	102	102	Marketing

CROSS JOIN

emp_id	emp_name	dept_id
1	John Doe	101
2	Jane Smith	102



dept_id	dept_name
101	Human Resources
102	Marketing

emp_id	emp_name	dept_id	dept_id	dept_name
1	John Doe	101	101	Human Resources
2	Jane Smith	102	101	Human Resources
1	John Doe	101	102	Marketing
2	Jane Smith	102	102	Marketing

CROSS JOIN

emp_id	emp_name	dept_id
1	John Doe	101
2	Jane Smith	102



dept_id	dept_name
101	Human Resources
102	Marketing

emp_id	emp_name	dept_id	dept_id	dept_name
1	John Doe	101	101	Human Resources
2	Jane Smith	102	102	Marketing

CROSS JOIN

emp_id	emp_name	dept_id
1	John Doe	101
2	Jane Smith	102



dept_id	dept_name
101	Human Resources
102	Marketing

emp_id	emp_name	dept_id	dept_id	dept_name
1	John Doe	101	101	Human Resources
2	Jane Smith	102	102	Marketing

CROSS JOIN

emp_id	emp_name	dept_id
1	John Doe	101
2	Jane Smith	102



dept_id	dept_name
101	Human Resources
102	Marketing

emp_id	emp_name	dept_id	dept_name
1	John Doe	101	Human Resources
2	Jane Smith	102	Marketing