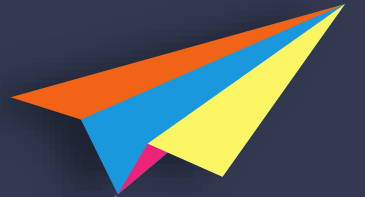


JOIN

Fadly Febriya S.Si., M.Kom





JOIN

The image features a dark blue background with a central blue banner that tapers from left to right. The word "JOIN" is written in white, bold, sans-serif capital letters on the banner. To the left of the banner, there is a pink rectangular block with a lime green triangle on top. To the right, there is an orange rectangular block with a yellow triangle on its bottom right corner. The overall style is modern and geometric.

idMovie	title	category
A01	Kimi No Nawa	Animations
A02	No Game no Life	Animations
A03	Re-Zero	Animations
B01	Human Centipede	Thriller
B02	Saw	Thriller
C01	Yesterday	Drama
C02	The Notebook	Drama
D01	Avatar	Scifi
D02	The Mist	Scifi
E01	Bodyguard	Action

idUser	firstName	lastName	idMovie
1	Bambang	Agus	D01
2	Jajang	Nurjaman	B02
3	Betty	Sukinem	A03
4	Rinda	Melinda	C02
5	Robert	Perela	A01
6	Asep	Sukron	B01

CrossJoin

```
SELECT * FROM `movies` CROSS JOIN `members`
```

CrossJoin Output

🔑 idMovie	title	category	🔑 idUser	firstName	lastName	📌 idMovie
A01	Kimi No Nawa	Animations	1	Bambang	Agus	D01
A01	Kimi No Nawa	Animations	2	Jajang	Nurjaman	B02
A01	Kimi No Nawa	Animations	3	Betty	Sukinem	A03
A01	Kimi No Nawa	Animations	4	Rinda	Melinda	C02
A01	Kimi No Nawa	Animations	5	Robert	Perela	A01
A01	Kimi No Nawa	Animations	6	Asep	Sukron	B01
A02	No Game No Life	Animations	1	Bambang	Agus	D01
A02	No Game No Life	Animations	2	Jajang	Nurjaman	B02
A02	No Game No Life	Animations	3	Betty	Sukinem	A03
A02	No Game No Life	Animations	4	Rinda	Melinda	C02
A02	No Game No Life	Animations	5	Robert	Perela	A01
A02	No Game No Life	Animations	6	Asep	Sukron	B01
A03	Re-Zero	Animations	1	Bambang	Agus	D01
A03	Re-Zero	Animations	2	Jajang	Nurjaman	B02
A03	Re-Zero	Animations	3	Betty	Sukinem	A03
A03	Re-Zero	Animations	4	Rinda	Melinda	C02
A03	Re-Zero	Animations	5	Robert	Perela	A01
A03	Re-Zero	Animations	6	Asep	Sukron	B01

Inner Join

```
SELECT A.`firstName` , A.`lastName` , B.`title`  
FROM `user` AS A  
INNER JOIN `movie` AS B  
ON A.`idMovie` = B.`idMovie`
```

Menampilkan table yang saling terhubung dengan dipengaruhi FK dan PK

Inner Join

firstName	lastName	title
Bambang	Agus	Avatar
Jajang	Nurjaman	Saw
Betty	Sukinem	Re-Zero
Rinda	Melinda	The Notebook
Robert	Perela	Kimi No Nawa
Asep	Sukron	Human Centipede

Inner Join alternative

```
SELECT user.`firstName` , user.`lastName` , movie.`title`  
FROM user ,movie  
WHERE movie.`idMovie` = user.`idMovie`
```

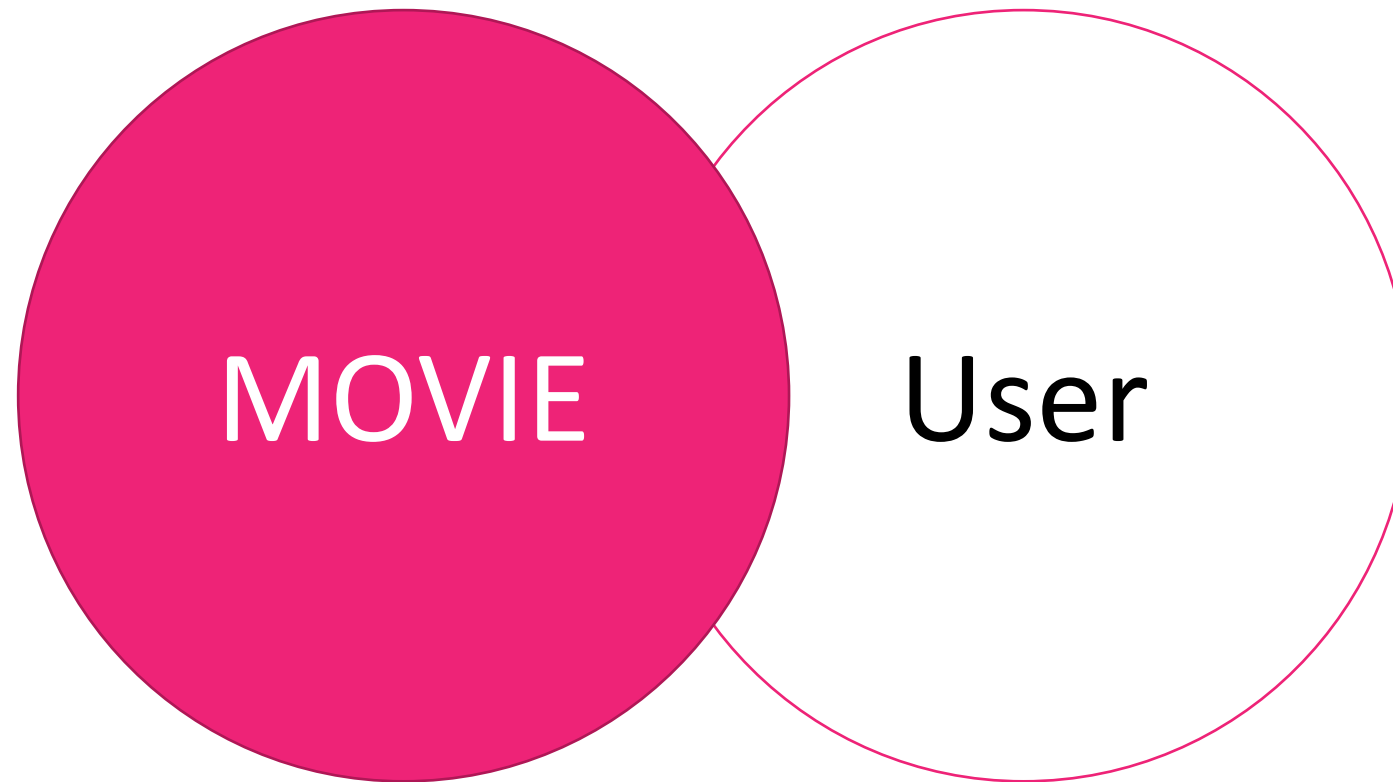
Tabel yang dihasilkan sama

Left Join

```
SELECT A.`title` , B.`firstName` , B.`lastName`  
FROM `movie` AS A  
LEFT JOIN `user` AS B  
ON A.`idMovie` = B.`idMovie`
```

LEFT JOIN mengembalikan semua baris dari tabel di sebelah kiri walaupun tidak ada baris yang cocok telah ditemukan di tabel di sebelah kanan. Di mana tidak ada kecocokan yang ditemukan pada tabel di sebelah kanan, NULL dikembalikan.

Left Join



Left Join Output

title	firstName	lastName
Kimi No Nawa	Robert	Perela
No Game No Life	(NULL)	(NULL)
Re-Zero	Betty	Sukinem
Human Centipede	Asep	Sukron
Saw	Jajang	Nurjaman
Yesterday	(NULL)	(NULL)
The Notebook	Rinda	Melinda
Avatar	Bambang	Agus
The Mist	(NULL)	(NULL)
Bodyguard	(NULL)	(NULL)

Right Join

```
SELECT A.`firstName`, A.`lastName`, B.`title`  
FROM `User` AS A  
RIGHT JOIN `Movie` AS B  
ON A.`idMovie` = B.`idMovie`
```

Right JOIN mengembalikan semua baris dari tabel di sebelah Kanan walaupun tidak ada baris yang cocok telah ditemukan di tabel di sebelah kiri. Di mana tidak ada kecocokan yang ditemukan pada tabel di sebelah kanan, **NULL** dikembalikan.

RightJoin

