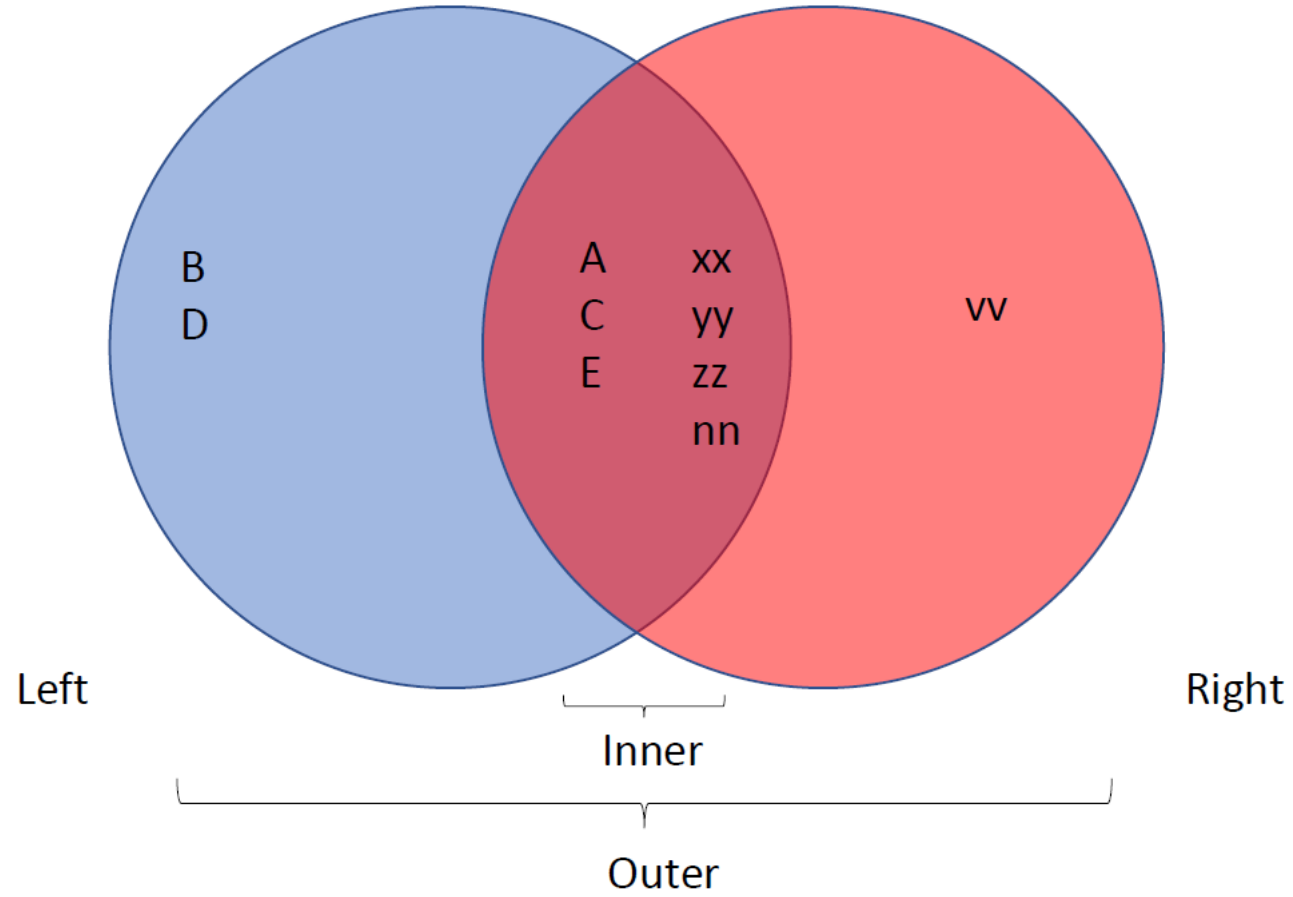


Table Joins

ID	entity1
1	A
2	B
3	C
4	D
5	E

ID	entity2
1	xx
1	yy
3	zz
5	nn
6	vv



Visual JOIN

Understand how joins work by interacting and see it visually

INNER JOIN

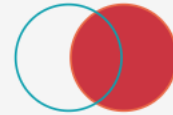
(or JOIN)



LEFT JOIN

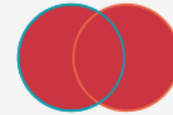


RIGHT JOIN



OUTER JOIN

(with UNION)



SQL

INNER JOIN or just JOIN retrieves all users and likes that match each other (where the id field in users matches a user_id in the likes table and vice versa)

[Hide description »](#)

Users

ID	Name
1	Peter
2	Yordan
3	Svetla
4	Desi
5	Maria

JOIN

Name	Like

Likes

ID	Like
2	Football
3	Travel
3	Gaming
4	Racing
6	Drawong

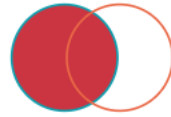
Visual JOIN

Understand how joins work by interacting and see it visually

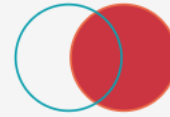
INNER JOIN
(or JOIN)



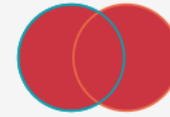
LEFT JOIN



RIGHT JOIN



OUTER JOIN
(with UNION)



SQL

LEFT JOIN retrieves all users and its likes if there is any else sets NULL in the like field

[Hide description »](#)

Users

ID	Name
1	Peter
2	Yordan
3	Svetla
4	Desi
5	Maria

JOIN

Name	Like

Likes

ID	Like
2	Football
3	Travel
3	Gaming
4	Racing
6	Drawong

Visual JOIN

Understand how joins work by interacting and see it visually

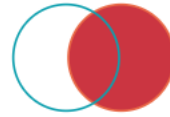
INNER JOIN
(or JOIN)



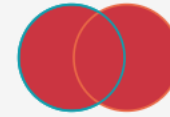
LEFT JOIN



RIGHT JOIN



OUTER JOIN
(with UNION)



SQL

RIGHT JOIN is like LEFT JOIN but retrieves all likes with all matching users or NULL if it doesn't have any matching user

[Hide description >](#)

Users

ID	Name
1	Peter
2	Yordan
3	Svetla
4	Desi
5	Maria

JOIN

Name	Like

Likes

ID	Like
2	Football
3	Travel
3	Gaming
4	Racing
6	Drawong

Visual JOIN

Understand how joins work by interacting and see it visually

INNER JOIN

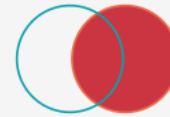
(or JOIN)



LEFT JOIN

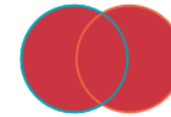


RIGHT JOIN



OUTER JOIN

(with UNION)



SQL

OUTER JOIN or OUTER LEFT and RIGHT with UNION (MySQL don't support FULL OUTER JOIN) retrieves all users and likes and matches them and sets NULL on any like without any match on user and same thing with user with no matching like

[Hide description »](#)

Users

ID	Name
1	Peter
2	Yordan
3	Svetla
4	Desi
5	Maria

JOIN

Name	Like

Likes

ID	Like
2	Football
3	Travel
3	Gaming
4	Racing
6	Drawong