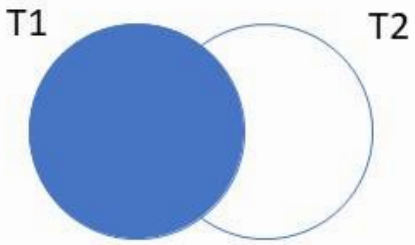


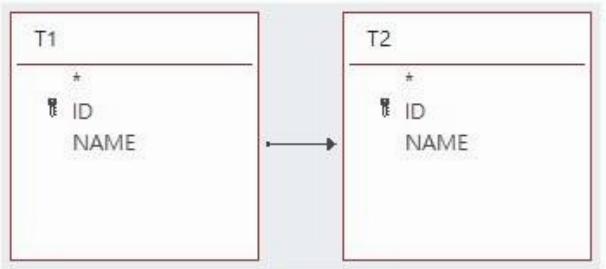
# SQL Joins Cheatsheet

T1		T2	
ID	NAME	ID	NAME
1	AAA	1	CCC
2	BBB	2	DDD
3	CCC	3	EEE



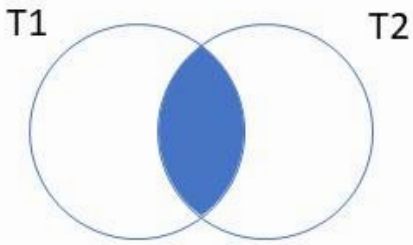
LEFT JOIN

T1.ID	T1.NAME	T2.ID	T2.NAME
1	AAA	NULL	NULL
2	BBB	NULL	NULL
3	CCC	1	CCC



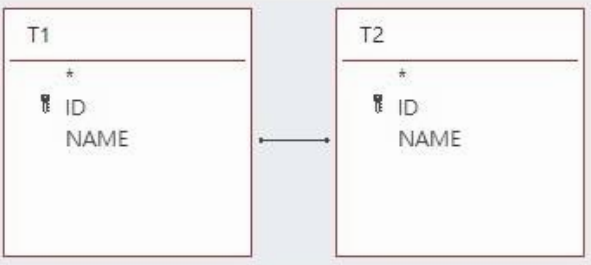
SELECT \* FROM T1  
**LEFT JOIN** T2  
ON T1.NAME= T2.NAME

T1		T2	
ID	NAME	ID	NAME
1	AAA	1	CCC
2	BBB	2	DDD
3	CCC	3	EEE



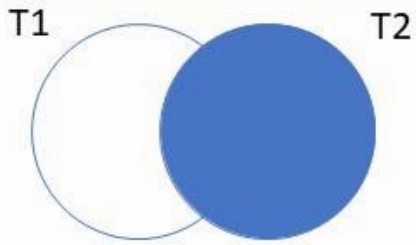
INNER JOIN

T1.ID	T1.NAME	T2.ID	T2.NAME
3	CCC	1	CCC



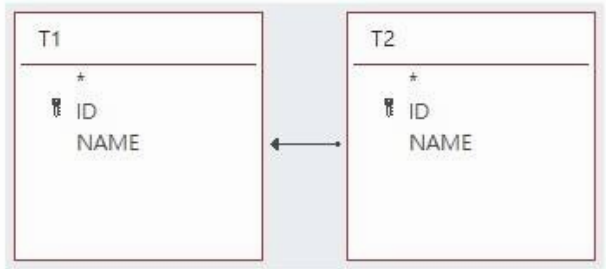
SELECT \* FROM T1  
**INNER JOIN** T2  
ON T1.NAME = T2.NAME

T1		T2	
ID	NAME	ID	NAME
1	AAA	1	CCC
2	BBB	2	DDD
3	CCC	3	EEE



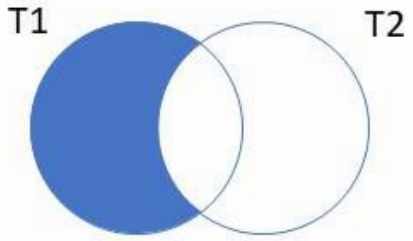
RIGHT JOIN

T1.ID	T1.NAME	T2.ID	T2.NAME
3	CCC	1	CCC
NULL	NULL	2	DDD
NULL	NULL	3	EEE



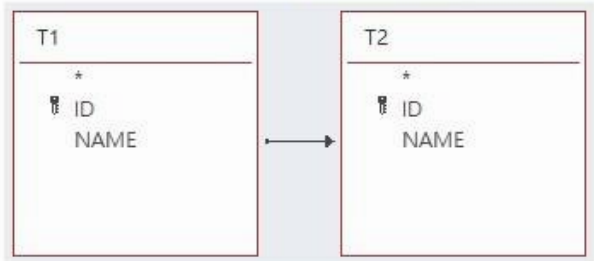
SELECT \* FROM T1  
**RIGHT JOIN** T2  
ON T1.NAME = T2.NAME

T1		T2	
ID	NAME	ID	NAME
1	AAA	1	CCC
2	BBB	2	DDD
3	CCC	3	EEE



LEFT JOIN (EXCLUDE T2)

T1.ID	T1.NAME	T2.ID	T2.NAME
1	AAA	NULL	NULL
2	BBB	NULL	NULL



SELECT \* FROM T1  
**LEFT JOIN** T2  
ON T1.NAME= T2.NAME  
**WHERE T2.ID IS NULL**

T1		T2	
ID	NAME	ID	NAME
1	AAA	1	CCC
2	BBB	2	DDD
3	CCC	3	EEE

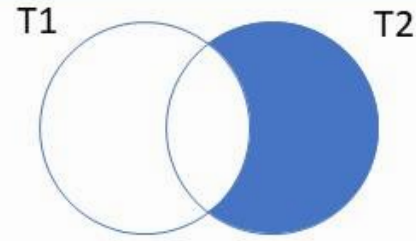


UNION ALL (EXCLUDE INNER)

T1.ID	T1.NAME	T2.ID	T2.NAME
1	AAA	NULL	NULL
2	BBB	NULL	NULL
NULL	NULL	2	DDD
NULL	NULL	3	EEE

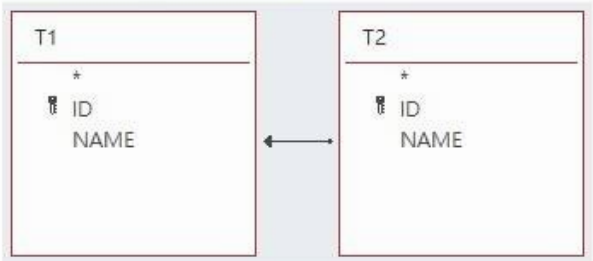
SELECT \* FROM T1  
LEFT JOIN T2 ON T1.NAME = T2.NAME  
**WHERE T2.ID IS Null**  
**UNION ALL**  
SELECT \* FROM T1  
RIGHT JOIN T2 ON T1.NAME=T2.NAME  
**WHERE T1.ID IS NULL**

T1		T2	
ID	NAME	ID	NAME
1	AAA	1	CCC
2	BBB	2	DDD
3	CCC	3	EEE



RIGHT JOIN (EXCLUDE T1)

T1.ID	T1.NAME	T2.ID	T2.NAME
NULL	NULL	2	DDD
NULL	NULL	3	EEE



SELECT \* FROM T1  
**RIGHT JOIN** T2  
ON T1.NAME = T2.NAME  
**WHERE T1.ID IS NULL**

T1		T2	
ID	NAME	ID	NAME
1	AAA	1	CCC
2	BBB	2	DDD
3	CCC	3	EEE

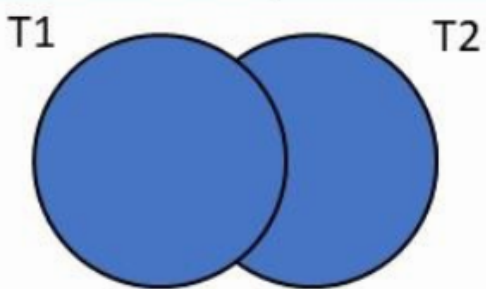


FULL OUTER JOIN

T1.ID	T1.NAME	T2.ID	T2.NAME
1	AAA	NULL	NULL
2	BBB	NULL	NULL
3	CCC	1	CCC
NULL	NULL	2	DDD
NULL	NULL	3	EEE

SELECT \* FROM T1  
**FULL OUTER JOIN** T2  
ON T1.NAME= T2.NAME

T1		T2	
ID	NAME	ID	NAME
1	AAA	1	CCC
2	BBB	2	DDD
3	CCC	3	EEE



UNION ALL

T1.ID	T1.NAME	T2.ID	T2.NAME
1	AAA	NULL	NULL
2	BBB	NULL	NULL
3	CCC	1	CCC
NULL	NULL	2	DDD
NULL	NULL	3	EEE

SELECT \* FROM T1  
LEFT JOIN T2 ON T1.NAME = T2.NAME  
**UNION ALL**  
SELECT \* FROM T1  
RIGHT JOIN T2 ON T1.NAME=T2.NAME  
**WHERE T1.ID IS Null**