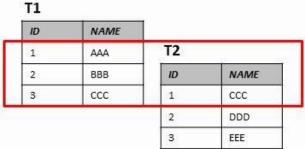
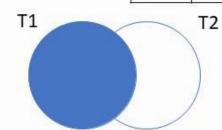
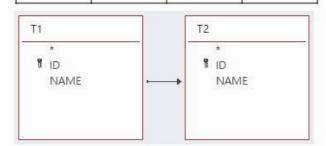
# CL Joins Cheatsheet





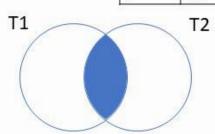
#### **LEFT JOIN**

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



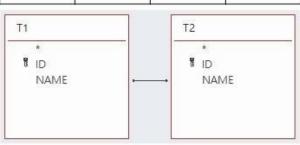
SELECT \* FROM T1 **LEFT JOIN T2** ONT1.NAME=T2.NAME

ID	NAME			
1	AAA	T2		
2	BBB	ID	NAME	
3	ccc	1	ccc	
		2	DDD	
		3	EEE	

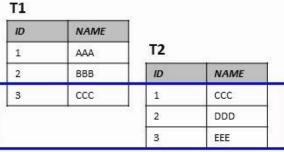


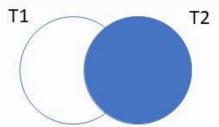
### INNER JOIN

T1.ID	T1.NAME	T2.ID	T2.NAME
3	ccc	1	ccc



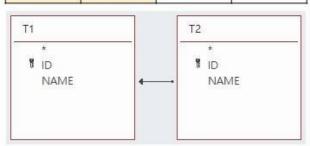
SELECT \* FROM T1 **INNER JOIN T2** ONT1.NAME = T2.NAME





### **RIGHT JOIN**

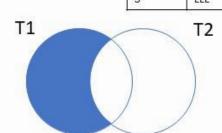
T1.ID	T1.NAME	T2.ID	T2.NAME
3	CCC	1	ccc
NULL	NULL	2	DDD
NULL	NULL	3	EEE



SELECT \* FROM T1 **RIGHT JOIN T2** ONT1.NAME = T2.NAME

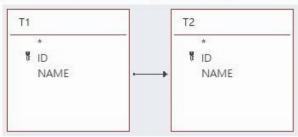
### T1

	ID	NAME		
Г	1	AAA	T2	te se
	2	BBB	ID	NAME
	3	ccc	1	ccc
	ā.	- B	2	DDD
			3	FFF



### **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** ONT1.NAME=T2.NAME WHERE T2.ID IS NULL

# T1

	Nanan.	53,53	2		
	ID	NAME			
Г	1	AAA	T2	70.00	,
L	2	BBB	ID	NAME	
	3	ссс	1	ccc	
Г			2	DDD	
			3	EEE	



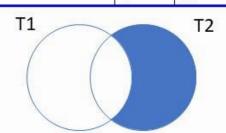
### UNION ALL (EXCLUDE INNER)

T1.ID	T1.NAME	T2.ID	T2.NAME		
1	AAA	NULL	NULL		
2	BBB	NULL	NULL		
NULL	NULL	2	DDD		
MHH	NEHL	3	FFF		

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

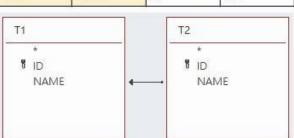


ID	NAME		
1	AAA	T2	
2	BBB	ID	NAME
з ссс	ccc	1	ccc
		2	DDD
		3	EEE



### RIGHT JOIN (EXCLUDE T1)

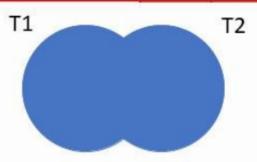
T1.ID	T1.NAME	T2.ID	T2.NAME		
NULL	NULL	2	DDD		
NULL	NULL	3	EEE		



SELECT \* FROM T1 **RIGHT JOIN T2** ONT1.NAME = T2.NAME WHERE T1.ID IS NULL

## T1

ID	NAME		
1	AAA	T2	
2	BBB	ID	NAME
3	ссс	1	ccc
3	- Mo	2	DDD
		3	EEE



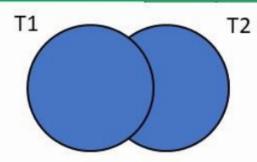
### **FULL OUTER JOIN**

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

	ID	NAME			
Γ	1	AAA	T2	3107 19	
ı	2	BBB	ID	NAME	
	3	ccc	1	ccc	
Γ			2	DDD	
			3	EEE	



### UNION ALL

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