

# SQL JOINS Cheat Sheet

## Example Tables

Students Table	
student_id	name
1	Alice
2	Bob
3	Carol
4	David

Scores Table	
student_id	score
1	85
2	92
4	78
5	88

## INNER JOIN

Returns only rows present in both tables.

name	score
Alice	85
Bob	92
David	78

## LEFT JOIN

All rows from left table + matched rows from right.

name	score
Alice	85
Bob	92
Carol	NULL
David	78

## RIGHT JOIN

All rows from right table + matched rows from left.

name	score
Alice	85
Bob	92
David	78
NULL	88

## FULL JOIN

All rows from both tables.

name	score
Alice	85
Bob	92
Carol	NULL
David	78
NULL	88

## CROSS JOIN

Cartesian product of both tables.

name	score
Alice	85
Alice	92
Alice	78
Alice	88
Bob	85
...	...

## SELF JOIN

A table joins with itself.

employee	manager
John	NULL
Mike	John
Sara	John