JOINS

A JOIN clause is used to combine rows from two or more tables, based on a related column between them.

Categories of joins:

```
Self-Join: The table is joined with itself
Syntax:

SELECT column name(s)
FROM table1 T1, table1 T2
WHERE condition;

Example: select * from student, student;

Cross-Join: The table is joined with another table.
Syntax:

SELECT column name(s)
FROM table1 T1, table2 T2
WHERE condition;

Example: select * from student, student1;
```

Types of Joins:

- (INNER) JOIN: Returns records that have matching values in both tables
- **LEFT (OUTER) JOIN**: Returns all records from the left table, and the matched records from the right table
- **RIGHT (OUTER) JOIN**: Returns all records from the right table, and the matched records from the left table
- **FULL (OUTER) JOIN or CROSS JOIN**: Returns all records when there is a match in either left or right table





