<https://www.javatpoint.com/oracle-joins>

<https://www.javatpoint.com/oracle-inner-join>

<https://www.javatpoint.com/oracle-outer-join>

<https://www.javatpoint.com/oracle-equi-join>

<https://www.javatpoint.com/oracle-self-join>

<https://www.javatpoint.com/oracle-cross-join>

<https://www.javatpoint.com/oracle-anti-join>

<https://www.javatpoint.com/oracle-semi-join>

<https://www.guru99.com/dbms-keys.html>

1. Joins in SQL
   1. Inner Join
   2. Outer Join
      1. Left Outer Join / Left Join
      2. Right Outer Join / Right Join
      3. Full Outer Join / Full Join
   3. Equi-Join
   4. Self-Join
   5. Cross-Join / Cartesian Product
   6. Anti-Join
   7. Semi-Join
2. Keys in SQL
   1. Super Key
   2. Primary Key
   3. Candidate Key
   4. Alternate Key
   5. Foreign Key
   6. Compound Key
   7. Composite Key
   8. Surrogate Key

**Inner Join**

SELECT columns

FROM table1

INNER JOIN table2

ON table1.column = table2.column;

**Left Outer Join**

SELECT columns

FROM table1

LEFT OUTER JOIN table2

ON table1.column = table2.column;

**Right Outer Join**

SELECT columns

FROM table1

RIGHT OUTER JOIN table2

ON table1.column = table2.column;

**Full Outer Join**

SELECT columns

FROM table1

FULL OUTER JOIN table2

ON table1.column = table2.column;

**Equi-Join**

SELECT columns

FROM table1, table2

WHERE table1.column = table2.column;

Or

SELECT columns

FROM table1

JOIN table2

ON table1.column = table2.column;

**Self-Join**

SELECT columns

FROM table1 a, table1 b

WHERE a.column = b.column;

**Cross Join / Cartesian Product**

SELECT \*

FROM table1

CROSS JOIN table2;

Or

SELECT \*

FROM table1, table2;

**Anti-Join**

**SELECT**   departments.department\_id, departments.department\_name

**FROM**     departments

**WHERE**    NOT EXISTS

                 (

**SELECT** 1

**FROM**   customer

**WHERE** customer.department\_id = departments.department\_id

                 )

**ORDER** **BY** departments.department\_id;

**Semi-Join**

**SELECT**   departments.department\_id, departments.department\_name

**FROM**     departments

**WHERE**    EXISTS

                 (

**SELECT** 1

**FROM**   customer

**WHERE** customer.department\_id = departments.department\_id

                 )

**ORDER** **BY** departments.department\_id;