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JOINS

JOINS are used to retrieve data from multiple tables. It is performed whenever two or more tables are joined in a SQL statement.

TYPES

- INNER JOIN (or sometimes called simple join)

- LEFT OUTER JOIN (or sometimes called LEFT JOIN)

- RIGHT OUTER JOIN (or sometimes called RIGHT JOIN)

- FULL OUTER JOIN (or sometimes called FULL JOIN)

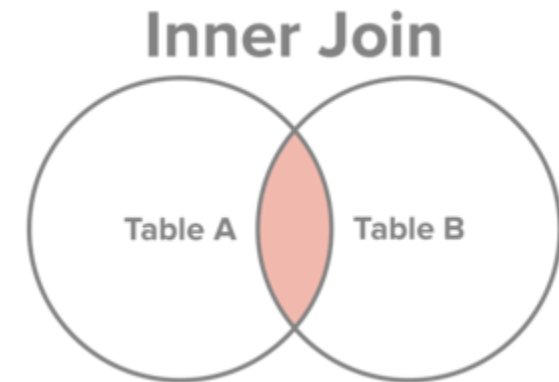- CROSS JOIN (or sometimes called CARTESIAN JOIN)

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INNER JOIN

INNER JOIN compares each row of table1 with each row of table2 to find all pairs of rows which satisfy the join-predicate. When satisfied, column values for each matched pair of rows of A and B are combined into a result row.

Syntax

SELECT columns
FROM table1
INNER JOIN table2
ON table1.column = table2.column;

Inner Join

INNER JOIN

INNER JOIN compares each row of table1 with each row of table2 to find all pairs of rows which satisfy the join-predicate. When satisfied, column values for each matched pair of rows of A and B are combined into a result row.

Example

```
SELECT
        a.order_line ,
        a.product_id,
        a.customer_id,
        a.sales,
        b.customer_name,
        b.age
FROM sales_2015 AS a
INNER JOIN customer_20_60 AS b
ON a.customer_id = b.customer_id
ORDER BY customer_id;
```


Inner Join

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