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Joins

JOIN : -

In Mysql, a JOIN is used two combines vious from Two over movel tables into a single viesult set based on a viclated column between them. There are several types of Joins available in Mysql:-

1. INNER JOIN :-

Returns only the scows that have matching values in both tables.

2. LEFT JOIN: -

Returns all the rows from the left table and the matching rows from the right table. If there is no match, the result will contain NVII values for the columns of the right table.

3. RIGHT JOIN :-

Returns all the rows from the right table and the matching orocos from the left table. If there is no match, the result will contain NULL values for the columns of the left table.

4. FULL JOIN (OUTER JOIN):
Return all the saws from both tables. If there is no match, the result will contain NULL values for the columns of the table. That does not have a match,

INNER JOIN SELECT columns FROM tables INNER JOIN tables ON tables. column = tables. column; LEFT JOIN :-SELECT columns FROM table 1 LEFT JOIN tables ON tables, column = table 2. column, RIGHT JOIN :-SELECT columns FROM tables RIGHT JOIN tables ON tables, column. = table, column Contesion Peroduct: \* Cartesian Peroduct is the result of combining every vious of one table with every row of another table, without any conditions our restrictions. It is also known as cross Join. To perform a Cartesian peroduct in MySQL, we can use the 'CROSS JOIN' clause in own SQL statement. SFLECT \* FROM table 1 CROSS JOIN table 2; UNION :-The 'Union' operator us used to combine the result sets of two our more 'SELECT' statements unto a single overall set. The 'UNION' operator viemoves duplicate vious b/w the various 'SELECT' Latements. SELECT columns, column2, ... FROM tables UNION

\* Natural JOIN:-

Jt is a type of join operation that allows us to join two tables based on their common column names. The 'NATURAL JOIN' automatically matches the columns in elofts both tables with the same name and orcher a result that includes only the matching oroses.

-> SELECT columns, columns, ... FROM tables.
NATURAL JOIN tables.

Escample: -

SFLECT employees name, departments departments;

SELF JOIN: 
If is a join operation where a table is joined with itself. In other woords, a self join is a way. To combine data from the same table using a join statement.

SFLECT e.name As emp. name, m. name As managor. name.

FROM employees e Jour employees m ON

e.managerid = m. employee-ld.