

DAY - 3 SQL JOINS

Date : _____

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(1) Inner Join - Returns matching rows from both tables

Select e.name, d.department_name.

From employees e

inner join departments d

on e.department_id = d.department_id;

(2) Left Join - All rows from left table, matched data from the right

Select e.name, d.department_name

From employees e

left join departments d

on e.department_id = d.department_id.

(3) Right Join - All rows from right table, matched data from left.

Select e.name, d.department_name

From employees e

right join departments d

or e.department_id = d.department_id

(4) Full Outer Join - combine Right Union Left Join

(5) CROSS JOIN - Returns all combination of rows

Select * From products Cross Join customers

* Advanced where clause -

(i) AND, OR, NOT

Select * from employees

where department = 'HR' and salary > 50000;

Between, IN, like operators

B/w = to filter within a range

Select * from products

where price B/w 100 and 500.

IN: To filter based on multiple possible values

LIKE - for pattern matching

Select * from customers

where name like '%s%'

ISNULL and IS NOT NULL

Select * from orders

where delivery_date IS NULL;

ORDER BY - Select * from employees
order by salary desc.

BUILT IN FUNCTIONS

(1) STRING FUNCTIONS -

Upper(), Lower(), length(), substr(), concat()

Select upper(name), length(name) from customers

(2) NUMERIC FUNCTIONS -

Select round(salary, 2) from employees;

Data Functions

Date
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Select Date Diff (curDate), now-date1 [RE-DO IT'S WORLDER]
From employees.

LIMIT & OFFSET

Select * From employees limit 10;

Select * From employees limit 5 offset 10;

DISTINCT

Select distinct From employees.