

Date
9/9/25

Task 5 :- Writing Join Queries, Equivalent, AND / OR Recursive Queries.

Aim

To implement and execute Join queries equivalent queries and recursive queries

Types of Joins in SQL

* Inner Join:- Return records that have matching values in both tables:-

SELECT column.name(s) From table
Inner Join table2 on table1.

* Left (Outer) Join:-
the left table Returns all records from
From the right table and the matched record

Select column-name(s) From table1 Left Join
table2 on table1 Column-name=table2.Column-name

* Right (Outer) Join:- Return all records from
the right table and the matched record from
the right table and the matched record from
the left table select.

1. Join Queries (All types)

Create Table

Create Table user (user_id int primary key,
Phone Varchar(15), Name Varchar(15) Not Null, Email
Varchar(100) Unique Not Null, Password Varchar(100)

Create Table Category c

Category ID int primary key
Category Name: Varchar(50)

insert into user values (111, '9856784523', 'sanju', 'sanju@gmail.com', 'password', 'chennai'),
(112, '981832485', 'Jack', 'jack@gmail.com', 'jack123', 'Pondicherry')

insert into categories values (1, 'Sports item', 'a'),
'Fashion', (2), 'Home appliance')

3. Join Queries

Inner Join: categories On

Select Product.id, Name, category, category.Name.
From Product . Inner Join Category on Product.

Product ID	Name	Category Name
111	Bat	Sports item
112	Ball	Sports item
113	Shirt	Fashion

Left Outer Join

select product ID, Name, category, from
 Product Left outer join category on product
 category ID = categories.categories ID;

ID	Name	Category
111	Bat	Sports item
112	Ball	Sports item
113	Shirt	Fashion
114	AC	Home Appliance

Right Outer Join

Select Product ID, Name, categories
From Product Right outer Join categories
Product . category IP = categories.

OIP

ID	Name	Category
711	Bat	sports item.
712	Ball	Sports item
714	Television	Home Appliance
NULL	NULL	gadgets

FULL OUTER JOIN

Select Product ID, Name, Category, Category Name
From products Full Outer Join categories on Product

Product	Name	Category
711	Bat	sports item
712	Ball	Sports item
713	Shirts	Fashion
NULL	NULL	Gadgets

Result

Thus the implementation of join queries
and recursive queries executed successfully

VEL TECH	
EX NO.	5
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	10
SIGN WITH DATE	

Result

Thus the implementation of join
 queries and recursive queries was
 executed successfully