TASK: 5

WRITING JOIN QUERIES, EQUIALENT, AND/OR RECURSIVE QUERIES

Aim :- To implement and execute JOIN quires equivalent quirles and recursive quries using 3 universal doubles database suranio.

Procedure : * create database and tables

* Insert Sample data

* write sql quirles wing diff. types of JOINTS

* Implement recursive query.

* Display results

Step I: Types of Join : 1) simple   2) self   3) outer

1) Simple Join :

(i) Equi-join:

query : select * from employee , night , shift where emploves

empid = night_sharfit , empid ;

output:

empid	emp_Name	company	salary	age	Join_date
		HCL	1000000l	21	2018-07-06
10	venu				
11	shyam	LIC	1111	20	2020-07-06
101	srikrishna	CTI	22201000	20	2021-08-01

(ii) Non-equi join :

Select * from employees, night_shift where employes.age

< night-shift.age ;

Inner join :-

Select emp-name, n.age from employees e
INNER JON NIGNHT-shift n on e.empid=n.empld;

output:

emp-name	age
venu	21
shyam	20
Sri krishna	20

Outer Join :

Left Join : select e.emp-name from employee e Left Join night-shift n on e.empid=n.empid;

output:

emp name
venu
shyam
sri krishna
pavan

Right Join : select .empid n.age from employees Right Join night-shift n on e.empid=n.empid.

output :-

emp id	age
10	21
11	20
101	20
NULL	19

→ FULL OUTER JOIN (Not in my SQL):-

Select e.empname, n.company from employees e FULL OUTER

JOIN night-shift n on email e.empid = n.empid;

OUTPUT:

emp name	Company
Venu	HCL
Shyam	LIC
Srikrishna	CII
pavan	NULL
Bunny	NULL
NULL	Google
NULL	microsoft

→ EQUIVALENT QUERIES:

select e.empname, n.Salary from employee s e JOIN night-

shift n on e.empid = n.empid;

output:

emp name	Salary
Venu	10000001
Shyam	111
Srikrishna	201

—> RECURSIVE QUERY:

With recursive comp as (select emp name, empid from employees

UNION select empname, n, empid from employees,

JOIN comp e ON e.empid = n.empid)

select *from comp;

output:

empname	empid
Venu	10
Jhanno	11
Srikrishna	101

Result: The implementation of JOIN, equivalent and recursive queries using employee details database has been completed successfully