TASK:-5.

Writing join Queries, Equivalent, AND/OR recursive queries.

AIM:-

To implement and execute join queries equivalent queries and recursive queries using university database Scenario.

Procedure:-

* create database and tables
   Insert sample data.
   write Sql queries using diff type of JOINS
   Implement recursion open
   Display result.

Step 1:-

Types of Joins:-
   1) Simple   2) Self   3) Outer.

1) Simple Join:-
   i) Equi-join:-

query:- Select * from employer, night-Shift
       where employees. empid = night-shift.empid;

output:-

empid	emp_name	company	Salary	age	Join_date
10	Baby	HCL	100000	21	2018-07-06
11	Babu	LIC	111100	20	2020-07-06
12	Bobby	CTI	10000	20	2021-08-01

ii) Non-equi join:-

Selet * from employee, night-shift where employees. age < night-shift. age;

Inner join:-

Selet e.emp-name, n.age from employees e Inner join night-shift n one. empid=n. empid;

output:-

emp-name	age
Baby	21
Babu	20
Bobby	20

outer Join:-

→ left join:-

Selet e.emp-name from employee e Left join night-shift n on e.empid=n. empid;

Output:-

emp-name.
Baby
Babu
Bobby
Bhanu

Right Join:-

Selet e.empid, n.age from employee e Right join night-shift n on e.empid=n.empid.

output:-

emp_id	age
10	21
11	20
101	20
Null	19

→ Full outher join (not in my sql):-

Select e.empname, n.company from employee e

full outher join night_shift n on e.empid=n.empid;

output:-

emp_name	company
Baby	Hcl
Babu	LIc
Bobby	CTI
Bhanu	NULL
Ramya	NULL
NULL	Google
NULL	Microsoft

→ Equivalent Queries:-

Select e.empname, n.salary from employees e

join night_shift n on e.empid = n.empid;

output:-

emp_name	Salary
Baby	100000
Babu	111100
Bobby	10000

→ Recursive Query:-

With recursive comp as (select empname,
empid from employees UNION
Select e.empname, n.empid from employeee
JOIN compc ON e.empid=n.empid).

Select *from comp;

output:-

emp name	empid
Baby	10
Babu	11
Bobby	101

Result:-

The implementation of JOIN. equivalent and
recursive queries using employee details
database has been completed Successfully.