→ FULL OUTER JOIN (Not in mySQL):-

Select e.empname, n.company from employees e FULL OUTER JOIN night_shift n on email e.empid = n.empid;

OUTPUT:

empname	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:

empname	Salary
Venu	10000001
Shyam	1111
Srikrishna	201

Inner join :-

Select emp-name, n.age from employees e
INNER JOIN NIGHT_shift n on e.empid = n.empid;

output:

emp-name	age
venu	21
shyam	20
srikrishna	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
srikrishna
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

—› 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
Irfaan	11
Srikrishna	101

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

VEL TECH	
EX NO.	5
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	3
RECORD (5)	3
TOTAL (20)	19
SIGN WITH DATE	16/5

TASK: 5 DATE: 9/1/25

WRITING JOIN QUERIES, EQUIALENT, AND/OR RECURSIVE QUERIES

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

Procedure : * create database and tables
* Insert Sample data
* write SQl quiries using 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 employee empid = night_shift , empid ;

output :

empid	emp_Name	company	salary	age	Join_date
10	Venu	HCL	10000001	21	2018-07-06
11	Shyam	LIC	1111	20	2020-07-06
101	Srikrishna	CII	22201000	20	2021-08-01

(ii) Non - equi join :

Select * from employees, night_shift where employee.age < night_shift.age ;