

Ex. No.: 8

Date:

## Joins – EquiJoin, InnerJoin, OuterJoin

### AIM:

To perform JOIN using EquiJoin, InnerJoin, OuterJoin on the given relation.

### Questions:

1. List the departments where the faculty members are working.
2. Find the student who has no score in any of the courses. List student name and course number.
3. The office clerk needs the names of the courses taken by the faculty belonging to 'ECE department' whose name is 'Kamal'

### OUTPUTS:

1)

```
mysql> select faculty.facno,faculty.facname,department.deptname from faculty cross join department;
+-----+-----+-----+
| facno | facname | deptname |
+-----+-----+-----+
| 5      | siddu   | CSE      |
| 4      | tharun  | CSE      |
| 3      | mahesh  | CSE      |
| 5      | siddu   | ECE      |
| 4      | tharun  | ECE      |
| 3      | mahesh  | ECE      |
| 5      | siddu   | mech     |
| 4      | tharun  | mech     |
| 3      | mahesh  | mech     |
| 5      | siddu   | EEE      |
| 4      | tharun  | EEE      |
| 3      | mahesh  | EEE      |
| 5      | siddu   | CIVIL    |
| 4      | tharun  | CIVIL    |
| 3      | mahesh  | CIVIL    |
+-----+-----+-----+
15 rows in set (0.01 sec)
```

2)

```
mysql> select Name,courseno,scores from student where scores="0";
+-----+-----+-----+
| Name      | courseno | scores |
+-----+-----+-----+
| karthika  | C002    | 0      |
+-----+-----+-----+
1 row in set (0.00 sec)
```

3)

```
mysql> select course.coursename,faculty.Facname,faculty.deptname from course cross join faculty where FacName="kamal" and deptname="ECE"
+-----+-----+-----+
| coursename | Facname | deptname |
+-----+-----+-----+
| PDSD      | kamal   | ECE      |
+-----+-----+-----+
1 row in set (0.00 sec)
```

**RESULT:** The records from the tables are displayed using JOIN using EquiJoinInnerJoin, OuterJoin.