**LAB EXERCISES**

**EX.NO:08**

**PERFORMING JOIN AND UNION**

**AIM:**

**To create any two tables with common column name and to perform join and union.**

**PROCEDURE:**

1. **Using the database 'College':**

* **mysql> USE College;**
* **Database changed**

1. **Create the table Employee:**

* **mysql> CREATE TABLE Employee(`Emp-id` char(5), `Emp-name` varchar(20),Age int(2), Address varchar(15), Deptid int(4));**
* **Query OK, 0 rows affected, 2 warnings (0.04 sec)**
* **mysql> desc Employee;**
* **5 rows in set (0.02 sec)**

1. **Inserting rows into the table ‘Employee’:**

* **mysql> insert into Employee values('EC101','Arunachalam', 55, 'Nagercoil', 1040);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into Employee values('EC102','Malarvizhi', 46, 'Kanyakumari", 1040);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into Employee values('EC103', 'Kanthamaran', 35, 'Madurai", 1040);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into Employee values('CO101', 'Indhumathi', 50, Tirunelveli', 1052);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into Employee values('CO102', 'Raghavan', 28, 'Tenkasi', 1052);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into Employee values('ME101', 'Balakrishnan', 48, 'Nagercoil', 1020);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into Employee values('ME102', 'Rajkumar', 25, 'Valliyoor', 1020);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into Employee values('EE101', 'Nanthakumar', 53, 'Nagercoil', 1030);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into Employee values('EE102', 'Arunkumar', 35, 'Aralvoimozhi', 1030);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into Employee values('EE103', 'Tamizhkodi', 26, Nagercoil', 1030);**
* **Query OK, 1 row affected (0.01 sec)**

1. **Querying the table ‘Employee’:**

* **mysql> SELECT \* FROM Employee;**
* **10 rows in set (0.00 sec)**

1. **Creating a table Department:**

* **mysql> create table department(deptid int(4), deptname varchar(8), strength int(2)); Query OK, 0 rows affected, 2 warnings (0.04 sec)**
* **mysql> Desc Department;**
* **3 rows in set (0.00 sec)**

1. **Inserting rows into the table department:**

* **mysql> insert into department values (1020,'Mech',63);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into department values (1030,'EEE',63);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into department values (1040,'ECE',46);**
* **Query OK, 1 row affected (0.01 sec)**
* **mysql> insert into department values (1052, 'Computer',30);**
* **Query OK, 1 row affected (0.01 sec)**

1. **Querying the table department:**

* **mysql> SELECT FROM Department;**
* **4 rows in set (0.00 sec)**

1. **Performing join on the tables Employee and Department:**

* **mysql> SELECT `Emp-id`, `Emp-Name`, Age, Address, `Dept-Name` FROM Employee JOIN Department ON `**

**Employee. `Dept-id`= Department. `Dept-id`;**

* **10 rows in set (0.00 sec)**

1. **Performing Union on the tables Employee and Department:**

**a) UNION:**

* **mysql> SELECT `Dept-id` FROM Employee UNION SELECT `Dept-id` FROM Department;**
* **4 rows in set (0.00 sec)**

**b) UNION ALL:**

* **mysql>SELECT `Dept-id` FROM Employee UNION ALL SELECT `Dept-id` FROM Department;**
* **14 rows in set (0.00 sec)**

**RESULT:**

**Thus the above MYSQL commands are executed and the output is obtained.**