EXPERIMENT NO:-06

➢ QUIRES TO PERFORM JOINS

```
mysql>  CREATE TABLE Emp(E_id int ,E_Name char(50),E_city char(50));
ERROR 1050 (42S01): Table 'emp' already exists
mysql>  CREATE TABLE Emp1(E_id int ,E_Name char(50),E_city char(50));
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO Emp1 VALUES(01,'ABC','Pune');
Query OK, 1 row affected (0.01 sec)

mysql>  INSERT INTO Emp1 VALUES(01,'XYZ','Satara');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Emp1 VALUES(01,'PQR','Nagar');
Query OK, 1 row affected (0.01 sec)

mysql> SELECT *FROM Emp1;
+------+--------+--------+
| E_id | E_Name | E_city |
+------+--------+--------+
|    1 | ABC    | Pune   |
|    1 | XYZ    | Satara |
|    1 | PQR    | Nagar  |
+------+--------+--------+
3 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE Project(P_id int,E_id int,Department char(50));
Query OK, 0 rows affected (0.02 sec)

mysql> INSERT INTO Project VALUES(101,1,'Testing');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Project VALUES(102,2,'Dev');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Project VALUES(103,3,'design');
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM Project;
+------+------+------------+
| P_id | E_id | Department |
+------+------+------------+
|  101 |    1 | Testing    |
|  102 |    2 | Dev        |
|  103 |    3 | design     |
+------+------+------------+
3 rows in set (0.00 sec)
```

```
mysql> SELECT Emp.E_id,Emp.E-Name,Project.Department FROM Emp INNER JOIN Project ON Emp.E_id=Project.E_id;
ERROR 1054 (42S22): Unknown column 'Emp.E' in 'field list'
mysql> SELECT Emp.E_id,Emp.E_Name,Project.Department FROM Emp INNER JOIN Project ON Emp.E_id=Project.E_id;
+------+--------+------------+
| E_id | E_Name | Department |
+------+--------+------------+
|    1 | XYZ    | Testing    |
|    1 | PQR    | Testing    |
|    1 | ABC    | Testing    |
+------+--------+------------+
3 rows in set (0.01 sec)
```

```
+------+------+------------+
| P_id | E_id | Department |
+------+------+------------+
|  101 |    1 | Testing    |
|  102 |    2 | Dev        |
|  103 |    3 | design     |
+------+------+------------+
3 rows in set (0.00 sec)

mysql> SELECT Emp.E_id,Emp.E_Name,Project.Department FROM Emp INNER JOIN Project ON Emp.E_id=Project.E_id;
+------+--------+------------+
| E_id | E_Name | Department |
+------+--------+------------+
|    1 | XYZ    | Testing    |
|    1 | PQR    | Testing    |
|    1 | ABC    | Testing    |
+------+--------+------------+
3 rows in set (0.00 sec)

mysql> SELECT Emp.E_id,Emp.E_Name,Project.Department FROM Emp LEFT JOIN Project ON Emp.E_id=Project.E_id;
+------+--------+------------+
| E_id | E_Name | Department |
+------+--------+------------+
|    1 | ABC    | Testing    |
|    1 | PQR    | Testing    |
|    1 | XYZ    | Testing    |
+------+--------+------------+
3 rows in set (0.01 sec)

mysql> SELECT Emp.E_id,Emp.E_Name,Project.Department FROM Emp RIGHT JOIN Project ON Emp.E_id=Project.E_id;
+------+--------+------------+
| E_id | E_Name | Department |
+------+--------+------------+
|    1 | XYZ    | Testing    |
|    1 | PQR    | Testing    |
|    1 | ABC    | Testing    |
| NULL | NULL   | Dev        |
| NULL | NULL   | design     |
+------+--------+------------+
5 rows in set (0.00 sec)
```