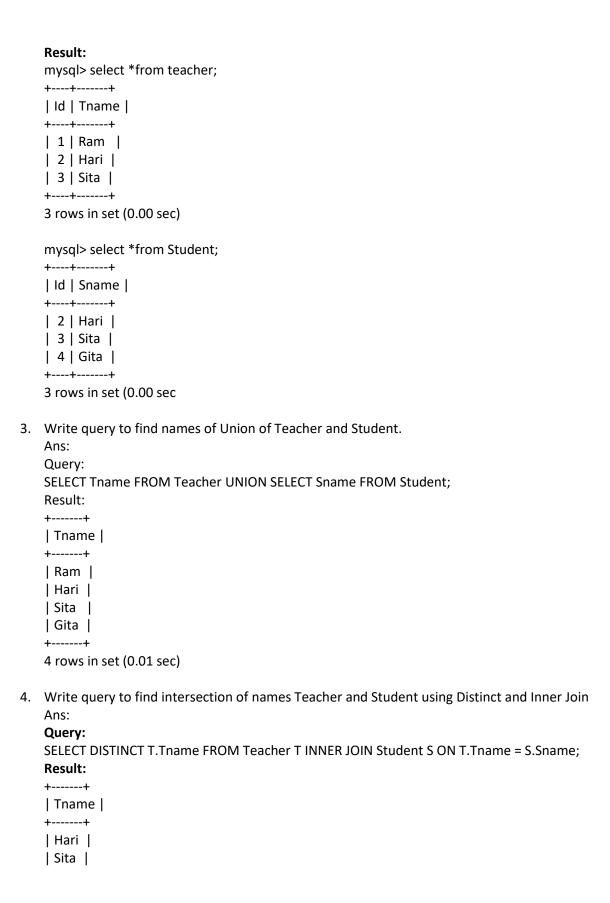
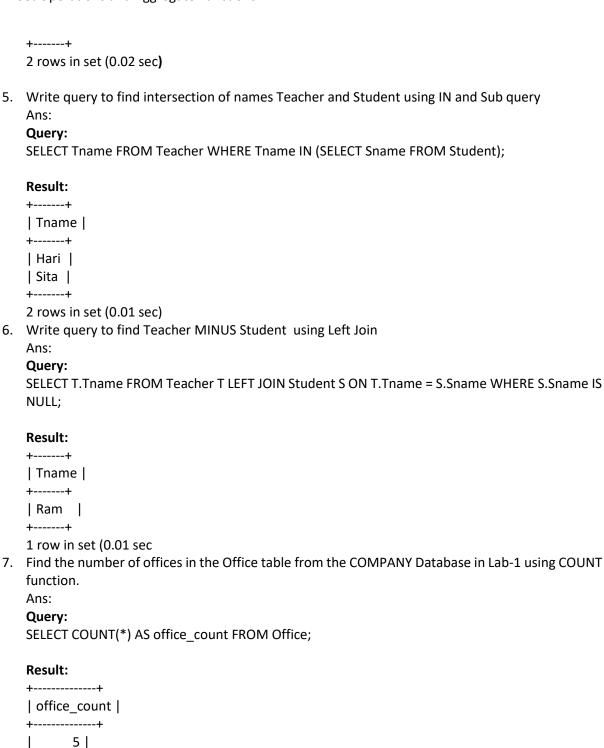
(4, 'Gita');

LAB-4

Prepare Lab Sheet of MYSQL Statements for following.

1. Create tables Teacher (Id INT PRIMARY KEY, Tname VARCHAR(20)) and Student (id INT PRIMARY KEY, Sname VARCHAR(20)); Ans: Query: CREATE TABLE Teacher (Id INT PRIMARY KEY, Tname VARCHAR(20)); **CREATE TABLE Student (** Id INT PRIMARY KEY, Sname VARCHAR(20)); Result: mysql> desc Teacher: +----+ | Field | Type | Null | Key | Default | Extra | +----+ | Id | int | NO | PRI | NULL | | | Tname | varchar(20) | YES | NULL | +----+ 2 rows in set (0.04 sec) mysql> desc Student; +----+ | Field | Type | Null | Key | Default | Extra | +-----+ | Id | int | NO | PRI | NULL | | | Sname | varchar(20) | YES | NULL | +----+ 2 rows in set (0.01 sec) Insert values like {("1,"Ram"), (2,"Hari"), (3,"Sita")} in Teacher and {("2,"Hari"), (3,"Sita"), (4,"Gita")} in Student. Ans: Query: INSERT INTO Teacher (Id, Tname) VALUES (1, 'Ram'), (2, 'Hari'), (3, 'Sita'); INSERT INTO Student (Id, Sname) VALUES (2, 'Hari'), (3, 'Sita'),





1 row in set (0.06 sec)

+----+

8. Write a query to count the distinct names of Employees.

Ans:

Query:

SELECT COUNT(DISTINCT Ename) AS distinct_name_count FROM Employee;

Result:

```
+-----+
| distinct_name_count |
+-----+
| 5 |
+-----+
```

1 row in set (0.01 sec)

9. Write a query to find sum of salary of Employees.

Ans:

Query:

SELECT SUM(Salary) AS total_salary FROM Employee;

Result:

```
+-----+
| total_salary |
+-----+
| 200000.00 |
+-----+
1 row in set (0.00 sec)
```

10. Write a query to find average of salary of Employees.

Ans:

Query:

SELECT AVG(Salary) AS average_salary FROM Employee;

Result:

```
+-----+
| average_salary |
+-----+
| 40000.000000 |
+-----+
1 row in set (0.00 sec)
```

11. Write a query to find Maximum PF Amount from the PF Table.

Ans:

Query:

SELECT MAX(Amount) AS max pf amount FROM PF;

Result:

```
+-----+
| max_pf_amount |
+-----+
| 5000.00 |
+-----+
```

1 row in set (0.04 sec)

12. Write a query to find Minimum PF Amount from the PF Table.
Ans:

Query:

SELECT MIN(Amount) AS min_pf_amount FROM PF;

Lab 4: Set Operations and Aggregate Functions



+-----+ | min_pf_amount | +-----+ | 1000.00 | +-----+ 1 row in set (0.00 sec)