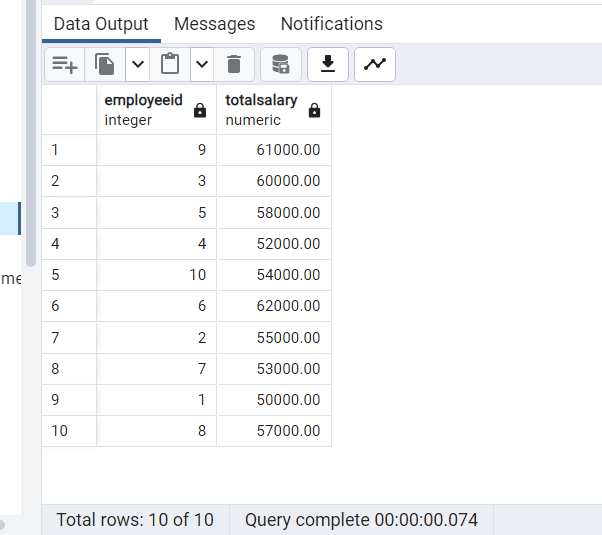
EMPLOYEE MANAGEMENT SYSTEM

1.

QUERY

SELECT EmployeeID, SUM(SalaryAmount) AS TotalSalary FROM Salary GROUP BY EmployeeID;

OUTPUT:



2.

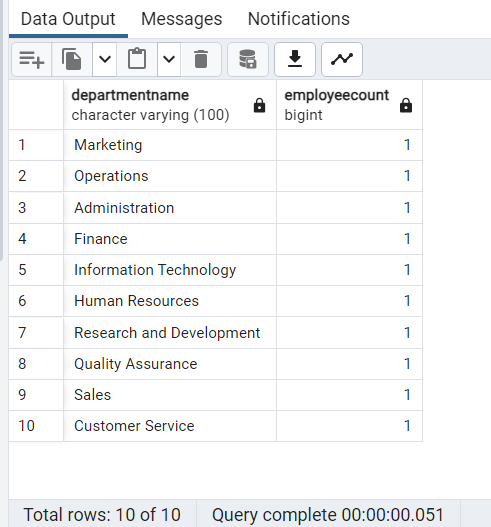
QUERY:

SELECT DepartmentName, COUNT(\*) AS EmployeeCount FROM Employee

JOIN Department ON Employee.DepartmentID = Department.DepartmentID

GROUP BY DepartmentName;

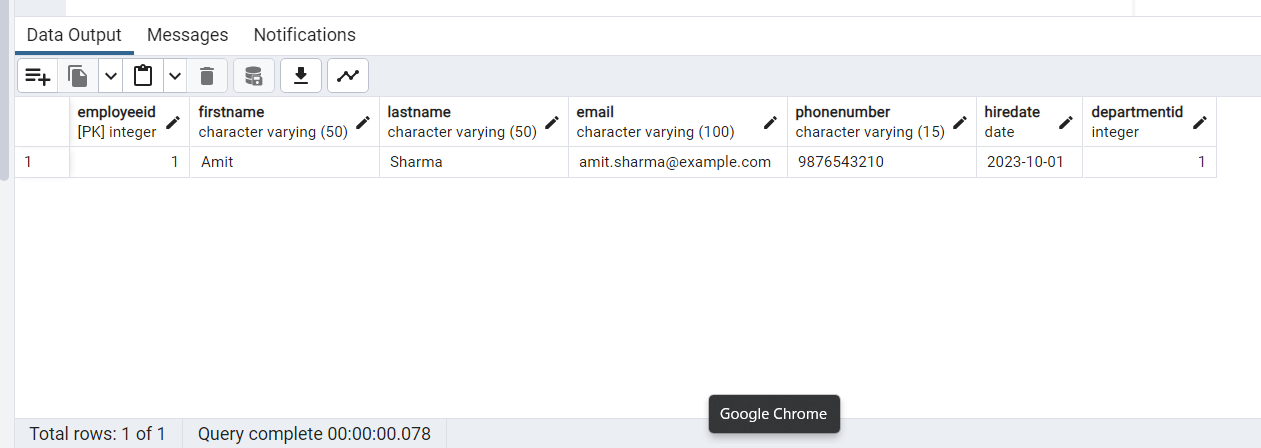
OUTPUT:



3.

QUERY

SELECT \* from Employee where DepartmentID=1;



4.

QUERY:

DO $$

BEGIN

-- Declare variables

DECLARE

employee\_count INT;

department\_name VARCHAR(100);

-- Initialize variables

employee\_count := 0;

department\_name := '';

-- Get the count of employees in a specific department

SELECT COUNT(\*) INTO employee\_count FROM Employee WHERE DepartmentID = 1;

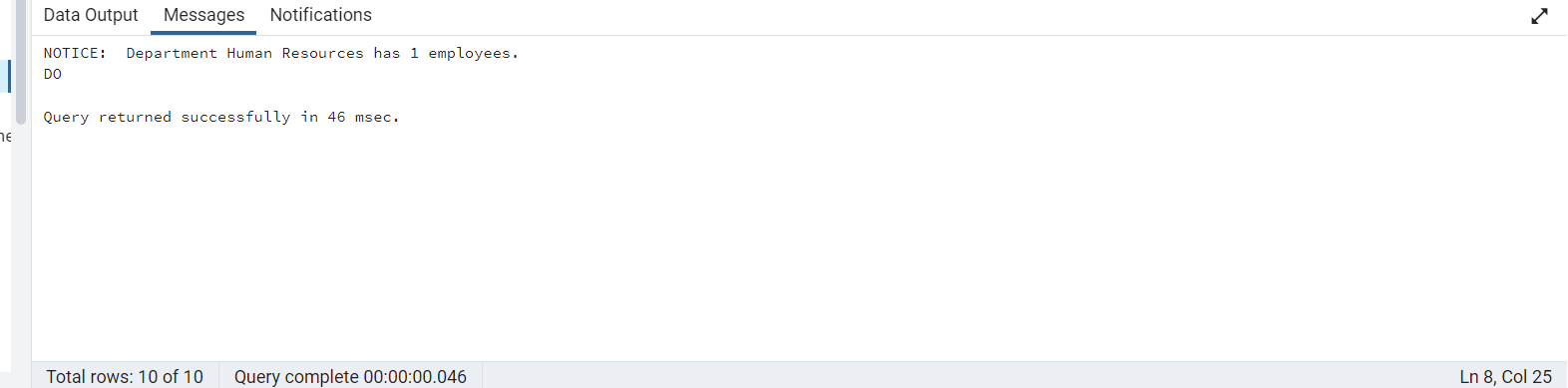
-- Get the name of the department

SELECT DepartmentName INTO department\_name FROM Department WHERE DepartmentID = 1;

-- Display the result

RAISE NOTICE 'Department % has % employees.', department\_name, employee\_count;

END $$;



5.

QUERY

CREATE OR REPLACE FUNCTION insert\_employee(first\_name VARCHAR, last\_name VARCHAR, email VARCHAR, hire\_date DATE, department\_id INT)

RETURNS VOID AS $$

BEGIN

INSERT INTO Employee (FirstName, LastName, Email, HireDate, DepartmentID)

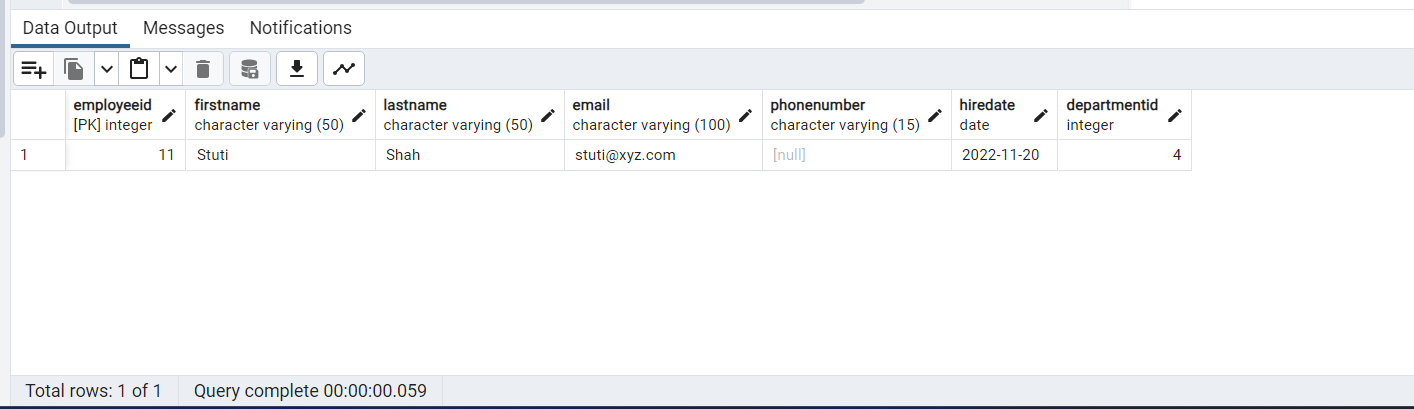
VALUES (first\_name, last\_name, email, hire\_date, department\_id);

END;

$$ LANGUAGE plpgsql;

SELECT \* FROM Employee where EmployeeID=11;

OUTPUT :



6.

QUERY

CREATE OR REPLACE PROCEDURE update\_salary(

IN employee\_id INT,

IN new\_salary DOUBLE

)

LANGUAGE plpgsql

AS $$

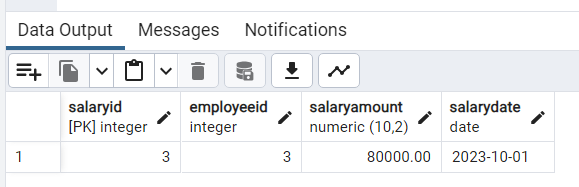
BEGIN

UPDATE Salary SET SalaryAmount = new\_salary WHERE EmployeeID = employee\_id;

END;

$$;

OUTPUT :



7.

QUERY

DO

$$

DECLARE

display\_details CURSOR FOR SELECT FirstName,LastName,HireDate FROM Employee WHERE EmployeeID=9;

f\_name Employee.FirstName%type;

l\_name Employee.LastName%type;

h\_date Employee.HireDate%type;

BEGIN

OPEN display\_details;

LOOP

FETCH display\_details INTO f\_name,l\_name,h\_date;

EXIT WHEN NOT FOUND;

RAISE NOTICE 'First name : % , Last name : % , Hire Date : %',f\_name,l\_name,h\_date;

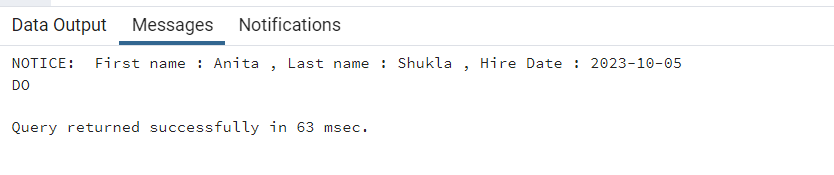
END LOOP;

CLOSE display\_details;

END;

$$

OUTPUT :



8.

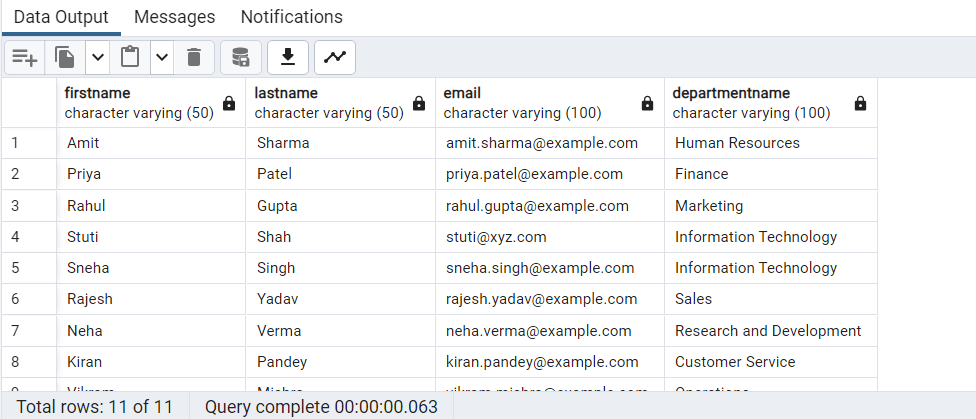
QUERY

SELECT Employee.FirstName, Employee.LastName, Employee.Email, Department.DepartmentName

FROM Employee

INNER JOIN Department ON Employee.DepartmentID = Department.DepartmentID;

OUTPUT :



9.

QUERY

CREATE VIEW ApprovedLeaveRequests AS

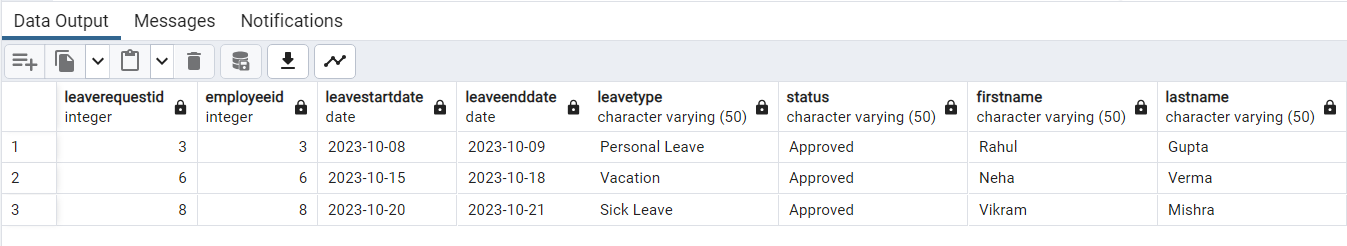
SELECT LeaveRequest.\*, Employee.FirstName, Employee.LastName

FROM LeaveRequest

JOIN Employee ON LeaveRequest.EmployeeID = Employee.EmployeeID

WHERE LeaveRequest.Status = 'Approved';

OUTPUT :



10.

QUERY

SELECT \* FROM Employee WHERE EmployeeID IN (SELECT EmployeeID FROM LeaveRequest WHERE Status = 'Pending');

OUTPUT :

