Experiment no 7

Problem Statement :

Write and execute simple PL/SQL program and apply this knowledge to execute PL/SQL procedure and functions .

Input :

```
CREATE DATABASE my_company;
USE my_company;

CREATE TABLE employees (
   emp_id INT AUTO_INCREMENT PRIMARY KEY,
emp_name VARCHAR(100),     department
VARCHAR(50),
   salary DECIMAL(10, 2)
);

INSERT INTO employees (emp_name, department, salary)
VALUES ('Alice', 'IT', 60000), ('Bob', 'HR', 50000), ('Charlie', 'IT', 70000);

DELIMITER //

CREATE PROCEDURE getEmployeesByDept(IN dept_name VARCHAR(50)) BEGIN
   SELECT emp_id, emp_name, salary
   FROM employees
   WHERE department = dept_name;
END //

DELIMITER ;

DELIMITER //

CREATE FUNCTION calculateBonus(salary DECIMAL(10, 2))
RETURNS DECIMAL(10, 2)
DETERMINISTIC
BEGIN
   RETURN salary * 0.10;  -- Bonus is 10% of the salary
END //

DELIMITER ;

CALL getEmployeesByDept('IT');
```

SELECT calculateBonus(60000) AS bonus;

Output:


```
+--------+----------+----------+
| emp_id | emp_name | salary   |
+--------+----------+----------+
|      1 | Alice    | 60000.00 |
|      3 | Charlie  | 70000.00 |
+--------+----------+----------+
2 rows in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)
```

```
+---------+
| bonus   |
+---------+
| 6000.00 |
+---------+
1 row in set (0.00 sec)
```