

ELEVATE LAB “SQL DEVELOPER TASK – 7 ”

EMPLOYEE MANAGEMENT SYSTEM DATABASE

CREATING EMPLOYEES TABLE:

CODE:

```
CREATE TABLE Employees (  
    employee_id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(50),  
    department_id INT,  
    salary DECIMAL(10, 2)  
);
```

INSERT VALUES:

```
INSERT INTO Employees (name, department_id, salary) VALUES  
( 'Alice', 1, 5000),  
( 'Bob', 2, 6000),  
( 'Charlie', 1, 5500),  
( 'David', 3, 6200);
```

ANNUAL SALARY FUNCTION:

```
DELIMITER //

CREATE FUNCTION AnnualSalary(monthly_salary DECIMAL(10,2))

RETURNS DECIMAL(10,2)

DETERMINISTIC

BEGIN

    RETURN monthly_salary * 12;

END //

DELIMITER ;

DELIMITER //
```

CREATING PROCEDURE:

```
CREATE PROCEDURE GetEmployeesByDept(IN dept_id INT)

BEGIN

    SELECT employee_id, name, salary, department_id

    FROM Employees

    WHERE department_id = dept_id;

END //

DELIMITER ;
```

CALLING ANNUAL_SALARY FUNCTION:

```
CALL GetEmployeesByDept(1);

SELECT name, salary, AnnualSalary(salary) AS annual_salary

FROM Employees;
```

OUTPUT:

Output:

```
+-----+-----+-----+-----+
| employee_id | name   | salary | department_id |
+-----+-----+-----+-----+
|           1 | Alice  | 5000.00 |              1 |
|           3 | Charlie| 5500.00 |              1 |
+-----+-----+-----+-----+

+-----+-----+-----+
| name   | salary | annual_salary |
+-----+-----+-----+
| Alice  | 5000.00 |      60000.00 |
| Bob    | 6000.00 |      72000.00 |
| Charlie| 5500.00 |      66000.00 |
| David  | 6200.00 |      74400.00 |
+-----+-----+-----+
```

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Github: <https://github.com/saivenkat182004/ELEVATE-LABS-TASK-8>