

## Employee Management System

### Problem Statement

Create a function to calculate the total compensation of an employee. The function should compute the total compensation based on the employee's base salary, bonuses, and any applicable deductions.

### Requirements:

#### Database Schema:

- **Table: Employees**
  - EmployeeID (INT, Primary Key, Auto Increment)
  - FirstName (VARCHAR(255))
  - LastName (VARCHAR(255))
  - BaseSalary (DECIMAL(10, 2))
- **Table: Bonuses**
  - BonusID (INT, Primary Key, Auto Increment)
  - EmployeeID (INT, Foreign Key)
  - BonusAmount (DECIMAL(10, 2))
  - BonusDate (DATE)
- **Table: Deductions**
  - DeductionID (INT, Primary Key, Auto Increment)
  - EmployeeID (INT, Foreign Key)
  - DeductionAmount (DECIMAL(10, 2))
  - DeductionDate (DATE)

#### Function: CalculateTotalCompensation

- **Parameters:**
  - @EmployeeID (INT): The ID of the employee.
- **Returns:** DECIMAL(10, 2)
  - The total compensation of the employee calculated as BaseSalary + TotalBonuses - TotalDeductions.
- **Functionality:**
  - Compute the sum of all bonuses for the specified employee.
  - Compute the sum of all deductions for the specified employee.

- Calculate the total compensation as the base salary plus total bonuses minus total deductions.