Database Management Systems Lab - Experiment-8
Implementation of Stored Procedures in SQL

Instructions:

1. **Design:** Write the SQL query for the following questions in the rough record.
2. **Implementation:** Once you execute the query on the MySQL command line, show the result and write the output to the rough record.

Aim: To understand the usage and usefulness of stored procedures in SQL.

Q1: Create a relation named **Employee** as follows and execute the **DESC** command to display the schema.

Employee

Attributes Name	**Contraints**	**Type**
Employee_id	PRIMARY KEY	INT
Employee_name		VARCHAR(20)
Dep_name		VARCHAR(20)
Job		VARCHAR(20)
Salary		INT
Hire_date		DATE

Q2: Create the following stored procedures.

- **GetAllEmployees()**: *Stored Procedure to retrieve all employees.*
- **InsertEmployee(Employee_id, Employee_name, Dep_name, Job, Salary, Hire_date)**: *Stored Procedure to Insert a New Employee.*
- **IncreaseSalary(percentage)**: *Stored Procedure to Increase Salary by a Fixed Percentage as follows.*
  salary = salary + salary * (percentage/100)

Q3: Insert the following tuples into the **Employee** table using the stored procedure **InsertEmployee**.

- (1, 'Alice', 'IT', 'Programmer', 60000, '2021-05-15').
- (2, 'Bob', 'HR', 'Manager', 55000, '2020-08-22').
- (3, 'Charlie', 'Finance', 'Analyst', 70000, '2019-11-10').
- (4, 'David', 'IT', 'Developer', 80000, '2021-06-30').

After inserting the records, call the procedure **GetAllEmployees**.

Q4: Call the **IncreaseSalary** stored procedure to increase all employee salaries by 10%. Then execute **GetAllEmployees** to visible the salary increase.