/\*Employee(emp\_id, emp\_name,salary,designation)

Salary\_Backup(rmp\_id, old\_salary, new\_salary, salary\_difference)

Create a Trigger to record salary change of the employee. Whenever salary is updated insert

the details in Salary\_Backup table.\*/

create database emply;

use emply;

CREATE TABLE Employee (

emp\_id INT PRIMARY KEY,

emp\_name VARCHAR(255),

salary DECIMAL(10, 2),

designation VARCHAR(100)

);

CREATE TABLE Salary\_Backup (

backup\_id INT AUTO\_INCREMENT PRIMARY KEY,

emp\_id INT,

old\_salary DECIMAL(10, 2),

new\_salary DECIMAL(10, 2),

salary\_difference DECIMAL(10, 2),

action\_time TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (emp\_id) REFERENCES Employee(emp\_id)

);

DELIMITER $$

CREATE TRIGGER before\_salary\_update

BEFORE UPDATE ON Employee

FOR EACH ROW

BEGIN

-- Check if the salary is being updated

IF NEW.salary <> OLD.salary THEN

INSERT INTO Salary\_Backup (emp\_id, old\_salary, new\_salary, salary\_difference)

VALUES (OLD.emp\_id, OLD.salary, NEW.salary, NEW.salary - OLD.salary);

END IF;

END $$

DELIMITER ;

-- Insert sample data into Employee table

INSERT INTO Employee (emp\_id, emp\_name, salary, designation) VALUES

(1, 'John Doe', 50000, 'Software Engineer'),

(2, 'Jane Smith', 60000, 'Project Manager');

-- Update salary for John Doe

UPDATE Employee SET salary = 55000 WHERE emp\_id = 1;

-- Update salary for Jane Smith

UPDATE Employee SET salary = 62000 WHERE emp\_id = 2;

-- Check the Salary\_Backup table

SELECT \* FROM Salary\_Backup;