EXPERIMENT-15

Amartya Sharma

500119407

Batch-1

create database lab15;

use lab15;

-- Create EMPLOYEES table

CREATE TABLE EMPLOYEES (

employee\_id INT PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

salary DECIMAL(10, 2)

);

-- Insert sample data into EMPLOYEES table

INSERT INTO EMPLOYEES (employee\_id, first\_name, last\_name, salary)

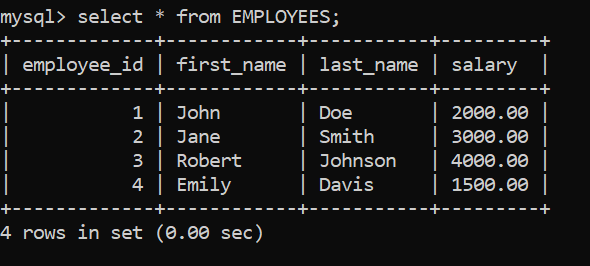
VALUES

(1, 'John', 'Doe', 2000),

(2, 'Jane', 'Smith', 3000),

(3, 'Robert', 'Johnson', 4000),

(4, 'Emily', 'Davis', 1500);



-- Update salaries and count the number of records updated

DELIMITER $$

CREATE PROCEDURE UpdateSalaries()

BEGIN

DECLARE rows\_updated INT;

-- Update salaries

UPDATE EMPLOYEES

SET salary = salary \* 1.10;

-- Get the number of affected rows

SET rows\_updated = ROW\_COUNT();

-- Display the result

IF rows\_updated = 0 THEN

SELECT 'No Change' AS Message;

ELSE

SELECT CONCAT(rows\_updated, ' record(s) updated') AS Message;

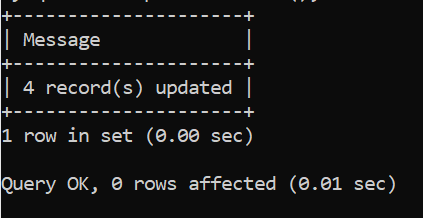
END IF;

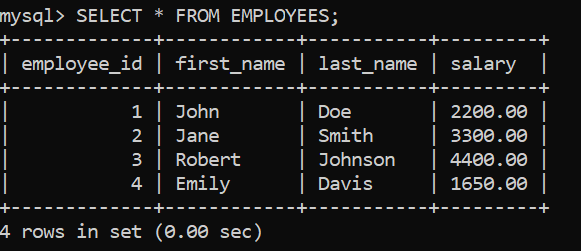
END$$

DELIMITER ;

-- Call the procedure

CALL UpdateSalaries();





DELIMITER $$

CREATE PROCEDURE FetchEmployeeDetails()

BEGIN

DECLARE done INT DEFAULT 0;

DECLARE emp\_id INT;

DECLARE emp\_name VARCHAR(100);

DECLARE emp\_salary DECIMAL(10, 2);

-- Cursor declaration

DECLARE emp\_cursor CURSOR FOR

SELECT employee\_id, CONCAT(first\_name, ' ', last\_name), salary FROM EMPLOYEES;

-- Handler for end of data

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;

-- Open the cursor

OPEN emp\_cursor;

FETCH emp\_cursor INTO emp\_id, emp\_name, emp\_salary;

-- Loop through the cursor

REPEAT

IF NOT done THEN

SELECT emp\_id AS Employee\_ID, emp\_name AS Name, emp\_salary AS Salary;

END IF;

FETCH emp\_cursor INTO emp\_id, emp\_name, emp\_salary;

UNTIL done END REPEAT;

-- Close the cursor

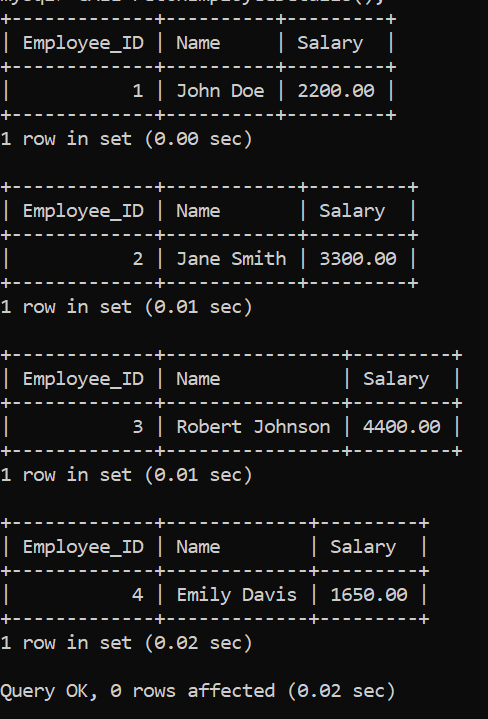
CLOSE emp\_cursor;

END$$

DELIMITER ;

-- Call the procedure

CALL FetchEmployeeDetails();



-- Create TEMP\_EMP table

CREATE TABLE TEMP\_EMP (

employee\_id INT PRIMARY KEY,

last\_name VARCHAR(50),

salary DECIMAL(10, 2)

);

DELIMITER $$

CREATE PROCEDURE InsertHighSalaryEmployees()

BEGIN

DECLARE done INT DEFAULT 0;

DECLARE emp\_id INT;

DECLARE emp\_last\_name VARCHAR(50);

DECLARE emp\_salary DECIMAL(10, 2);

-- Cursor declaration

DECLARE emp\_cursor CURSOR FOR

SELECT employee\_id, last\_name, salary FROM EMPLOYEES WHERE salary > 2500;

-- Handler for end of data

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;

-- Open the cursor

OPEN emp\_cursor;

FETCH emp\_cursor INTO emp\_id, emp\_last\_name, emp\_salary;

-- Loop through the cursor

REPEAT

IF NOT done THEN

INSERT INTO TEMP\_EMP (employee\_id, last\_name, salary)

VALUES (emp\_id, emp\_last\_name, emp\_salary);

END IF;

FETCH emp\_cursor INTO emp\_id, emp\_last\_name, emp\_salary;

UNTIL done END REPEAT;

-- Close the cursor

CLOSE emp\_cursor;

-- Display inserted data

SELECT \* FROM TEMP\_EMP;

END$$

DELIMITER ;

-- Call the procedure

CALL InsertHighSalaryEmployees();

