**Question 5**

Create cursor for Employee table & extract the values from the table. Declare the variables,Open the cursor & extract the values from the cursor. Close the cursor.

Employee (E\_id, E\_name, Age, Salary)

**Solution:**

**1. Creating the Employee Table and insert few records**

CREATE TABLE Employee (

E\_id INT PRIMARY KEY AUTO\_INCREMENT,

E\_name VARCHAR(255),

Age INT,

Salary DECIMAL(10, 2)

);

INSERT INTO Employee (E\_id, E\_name, Age, Salary)

VALUES

(1, 'Samarth', 30, 50000.00),

(2, 'Ramesh Kumar', 25, 45000.00),

(3, 'Seema Banu', 35, 62000.00),

(4, 'Dennis Anil', 28, 52000.00),

(5, 'Rehman Khan', 32, 58000.00);

**2. Create a Stored Procedure with Cursor**

DELIMITER //

CREATE PROCEDURE fetch\_employee\_data()

BEGIN

**-- Declare variables to store cursor values**

DECLARE emp\_id INT;

DECLARE emp\_name VARCHAR(255);

DECLARE emp\_age INT;

DECLARE emp\_salary DECIMAL(10, 2);

**-- Declare a cursor for the Employee table**

DECLARE emp\_cursor CURSOR FOR

SELECT E\_id, E\_name, Age, Salary

FROM Employee;

**-- Declare a continue handler for the cursor**

DECLARE CONTINUE HANDLER FOR NOT FOUND

SET @finished = 1;

**-- Open the cursor**

OPEN emp\_cursor;

**-- Initialize a variable to control cursor loop**

SET @finished = 0;

**-- Loop through the cursor results**

cursor\_loop: LOOP

**-- Fetch the next row from the cursor into variables**

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

**-- Check if no more rows to fetch**

IF @finished = 1 THEN

LEAVE cursor\_loop;

END IF;

**-- Output or process each row (for demonstration, print the values)**

SELECT CONCAT('Employee ID: ', emp\_id, ', Name: ', emp\_name, ', Age: ', emp\_age, ', Salary: ', emp\_salary) AS Employee\_Info;

END LOOP;

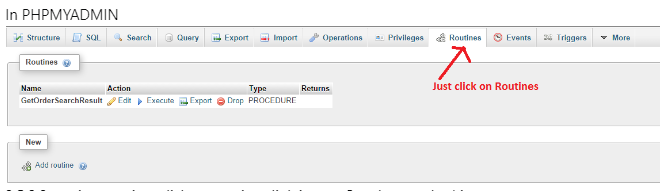
**-- Close the cursor**

CLOSE emp\_cursor;

END;//

DELIMITER ;

To check strored procedure, select the database (not the table) and then click on Routines\*\*\*\*\*\*\*



**3. Execute the Stored Procedure**

CALL 'fetch\_employee\_data'();