5. Create cursor for Employee table & extract the values from the table. Declare the variables ,Open the cursor & extrct the values from the cursor. Close the cursor. Employee(E_id, E_name, Age, Salary)

1. Creating the Employee Table and insert few records

```sql
CREATE TABLE Employee (
    E_id INT,
    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 ;

3. Execute the Stored Procedure

```
CALL fetch_employee_data();
```

```
+--------------------------------------------------------+
| Employee_Info                                          |
+--------------------------------------------------------+
| Employee ID: 1, Name: Samarth, Age: 30, Salary: 50000.00 |
+--------------------------------------------------------+
1 row in set (0.07 sec)


+--------------------------------------------------------+
| Employee_Info                                          |
+--------------------------------------------------------+
| Employee ID: 2, Name: Ramesh Kumar, Age: 25, Salary: 45000.00 |
+--------------------------------------------------------+
1 row in set (0.07 sec)


+--------------------------------------------------------+
| Employee_Info                                          |
+--------------------------------------------------------+
| Employee ID: 3, Name: Seema Banu, Age: 35, Salary: 62000.00 |
+--------------------------------------------------------+
1 row in set (0.07 sec)


+--------------------------------------------------------+
| Employee_Info                                          |
+--------------------------------------------------------+
| Employee ID: 4, Name: Dennis Anil, Age: 28, Salary: 52000.00 |
+--------------------------------------------------------+
1 row in set (0.07 sec)


+--------------------------------------------------------+
| Employee_Info                                          |
+--------------------------------------------------------+
| Employee ID: 5, Name: Rehman Khan, Age: 32, Salary: 58000.00 |
+--------------------------------------------------------+
1 row in set (0.07 sec)
```