

ICE Task 3

```

1  CREATE DATABASE company_db;
2  USE company_db;
3  DROP TABLE IF EXISTS employees;
4
5  -- Create a simple employees table
6  CREATE TABLE employees (
7      id INT AUTO_INCREMENT PRIMARY KEY,
8      name VARCHAR(50),
9      salary DECIMAL(10,2)
10 );
11
12 -- Insert sample data
13 INSERT INTO employees (name, salary) VALUES
14 ('Alice', 5000.00),
15 ('Bob', 4500.50),
16 ('Carol', 6200.75);
17
18 -- Create a stored procedure that uses a cursor
19 DELIMITER $$
20 CREATE PROCEDURE process_employees()
21 BEGIN
22     DECLARE done INT DEFAULT FALSE;
23     DECLARE emp_id INT;
24     DECLARE emp_name VARCHAR(50);
25     DECLARE emp_salary DECIMAL(10,2);
26
27     -- Define the cursor
28     DECLARE emp_cursor CURSOR FOR
29         SELECT id, name, salary FROM employees;
30
31     -- Define handler for when cursor is finished
32     DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;
33
34     OPEN emp_cursor;
35
36     read_loop: LOOP
37         FETCH emp_cursor INTO emp_id, emp_name, emp_salary;
38         IF done THEN
39             LEAVE read_loop;
40         END IF;
41
42         -- Display each employee with a 10% salary increase
43         SELECT
44             emp_id AS EmployeeID,
45             emp_name AS EmployeeName,
46             emp_salary AS OldSalary,
47             emp_salary * 1.10 AS NewSalary;
48         END LOOP;
49
50     CLOSE emp_cursor;
51 END$$
52 DELIMITER ;
53
54 -- Call the procedure
55 CALL process_employees();
56

```

✓	2	23:37:27	CREATE DATABASE company_db	1 row(s) affected	0.047 sec
✓	3	23:37:27	USE company_db	0 row(s) affected	0.000 sec
⚠	4	23:37:27	DROP TABLE IF EXISTS employees	0 row(s) affected, 1 warning(s): 1051 Unknown table 'company_db.employees'	0.015 sec
✓	5	23:37:27	CREATE TABLE employees (id INT AUTO_INCREMENT PRIMARY KEY,...	0 row(s) affected	0.063 sec
✓	6	23:37:27	INSERT INTO employees (name, salary) VALUES ('Alice', 5000.00), ('Bob', 45...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.015 sec
✓	7	23:37:27	CREATE PROCEDURE process_employees() BEGIN DECLARE done INT...	0 row(s) affected	0.032 sec
✓	8	23:37:27	-- Call the procedure CALL process_employees()	1 row(s) returned	0.000 sec / 0.000 sec
✓	9	23:37:27	-- Call the procedure CALL process_employees()	1 row(s) returned	- / 0.000 sec
✓	10	23:37:27	-- Call the procedure CALL process_employees()	1 row(s) returned	- / 0.000 sec