

Table name: employee

Table schema

Column name or Field name	Datatype
employee_id(pk)	int
first_name	varchar(50)
last_name	varchar(50)
email	varchar(50)
phone_number	varchar(50)
hire_date	date
job_id	int
salary	float

Write a program in PL/SQL to display a Cursor based detail information of all employees such as first_name, last_name, email, salary from employee table.

Explanation:

Data fetched from the table must be stored in cursor and by using loop data must be fetched from the cursor and must be displayed.

```
DELIMITER $$
```

```
CREATE PROCEDURE DisplayEmployeeDetails()
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```
BEGIN
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```
-- Declare variables to store employee data fetched from the cursor
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DECLARE v_first_name VARCHAR(50);
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```
DECLARE v_last_name VARCHAR(50);
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```
DECLARE v_email VARCHAR(50);
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DECLARE v_salary FLOAT;
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```

DECLARE done INT DEFAULT 0;
-- Declare a cursor to select relevant employee details
DECLARE employee_cursor CURSOR FOR
    SELECT first_name, last_name, email, salary
    FROM employee;
-- Declare a handler to exit loop when no more rows are found
DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;
-- Open the cursor
OPEN employee_cursor;
-- Loop through the cursor and fetch each row
employee_loop: LOOP
    -- Fetch the row into variables
    FETCH employee_cursor INTO v_first_name, v_last_name, v_email, v_salary;
    -- Exit the loop when no more rows are available
    IF done = 1 THEN
        LEAVE employee_loop;
    END IF;
    -- Display employee details
    SELECT CONCAT('First Name: ', v_first_name, ', Last Name: ', v_last_name,
        ', Email: ', v_email, ', Salary: ', v_salary) AS employee_info;
END LOOP;
-- Close the cursor
CLOSE employee_cursor;
END $$
CALL DisplayEmployeeDetails();

```

