Exercise 1: Control Structures

**Question:**

Write a PL/SQL block that accepts a number and checks whether it is EVEN or ODD.

**PL/SQL Code:**

DECLARE

num NUMBER := &enter\_number;

BEGIN

IF MOD(num, 2) = 0 THEN

DBMS\_OUTPUT.PUT\_LINE('The number ' || num || ' is EVEN.');

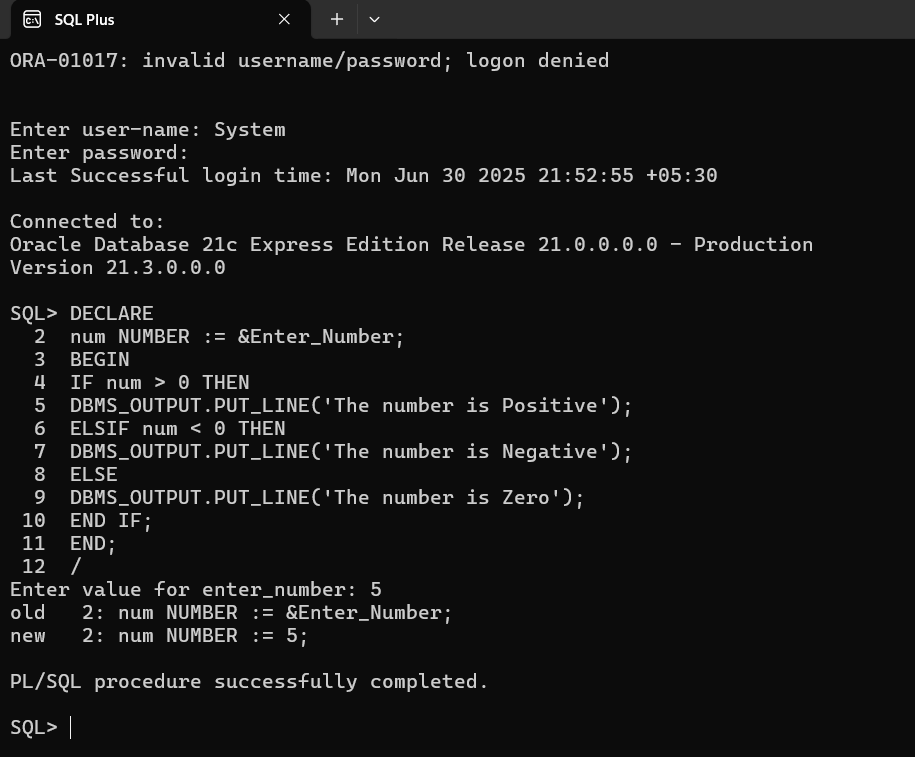
ELSE

DBMS\_OUTPUT.PUT\_LINE('The number ' || num || ' is ODD.');

END IF;

END;

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Exercise 3: Stored Procedures

**Question:**

Write a stored procedure that accepts an employee ID and prints the employee name and salary.

**Explanation:**

- Use IN parameter

- Use SELECT INTO to fetch data

- Use DBMS\_OUTPUT to display

- Add exception handling for safe execution

**Table Setup:**

CREATE TABLE employees (

emp\_id NUMBER PRIMARY KEY,

emp\_name VARCHAR2(100),

salary NUMBER

);

**Sample Data:**

INSERT INTO employees VALUES (101, 'John', 50000);

INSERT INTO employees VALUES (102, 'Alice', 60000);

COMMIT;

Stored Procedure Code:

CREATE OR REPLACE PROCEDURE get\_employee\_details (

p\_emp\_id IN employees.emp\_id%TYPE

)

IS

v\_name employees.emp\_name%TYPE;

v\_salary employees.salary%TYPE;

BEGIN

SELECT emp\_name, salary

INTO v\_name, v\_salary

FROM employees

WHERE emp\_id = p\_emp\_id;

DBMS\_OUTPUT.PUT\_LINE('Employee Name: ' || v\_name);

DBMS\_OUTPUT.PUT\_LINE('Salary: ' || v\_salary);

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('No employee found with ID ' || p\_emp\_id);

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);

END;

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**Execution:**

SET SERVEROUTPUT ON;

EXEC get\_employee\_details(101);

