DBMS Quiz 2

COLLEGE OF ENGINEERING
(AUTONOMOUS)

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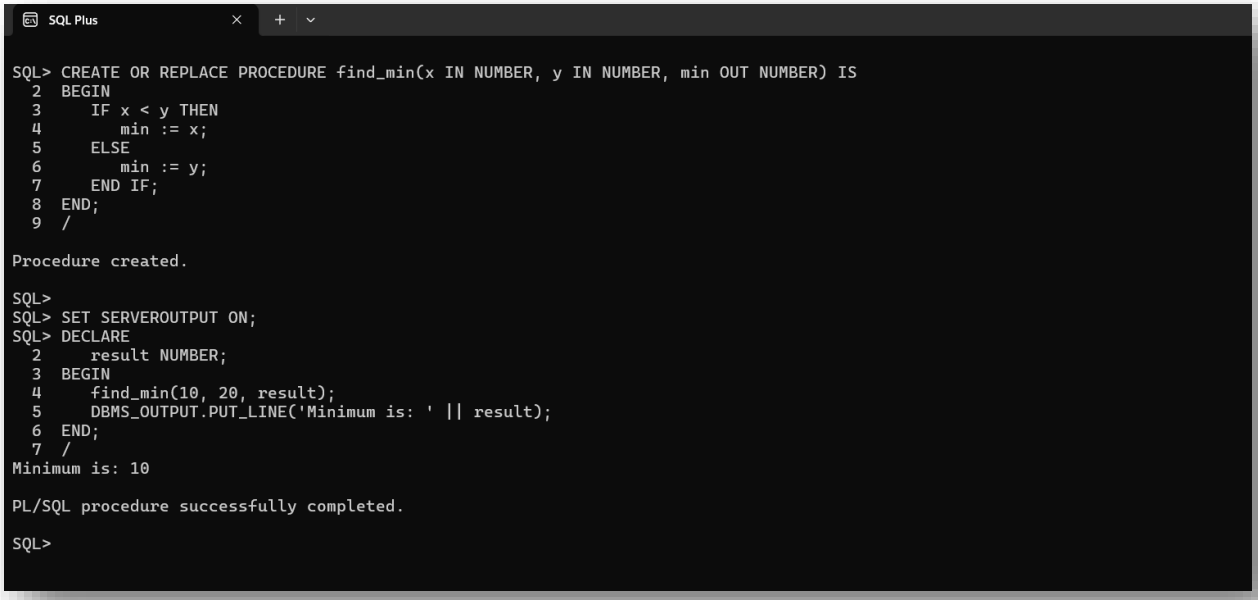
Links:

1. Find the Minimum of Two Numbers Using Procedures

Ans.

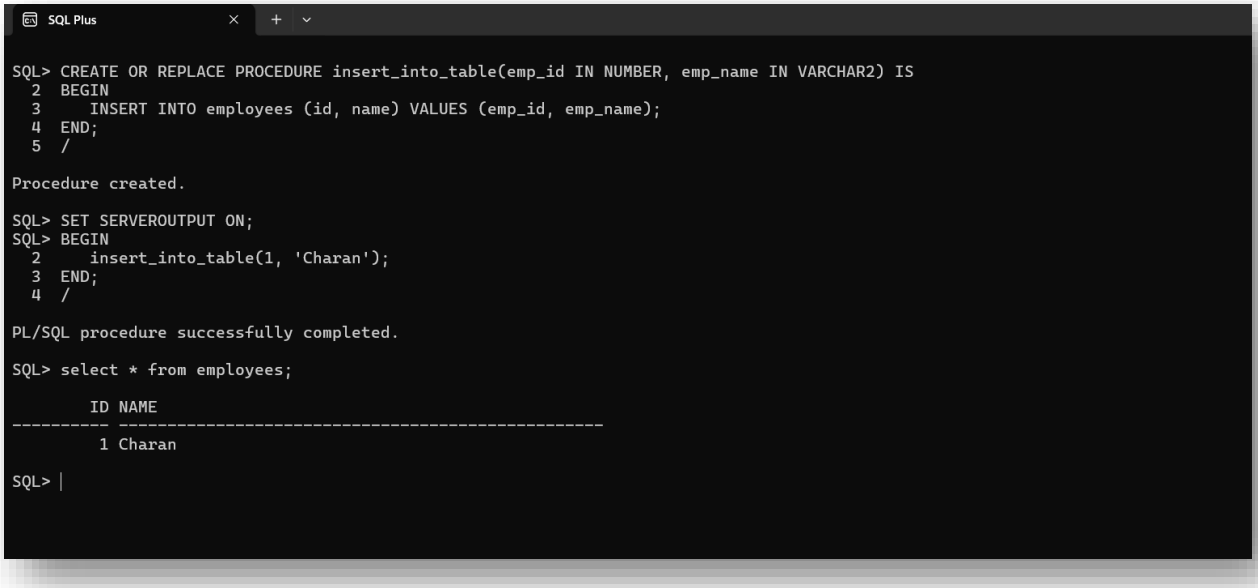
```
CREATE OR REPLACE PROCEDURE find_min(x IN NUMBER, y IN NUMBER, min OUT
NUMBER) IS
BEGIN
   IF x < y THEN
      min := x;
   ELSE
      min := y;
   END IF;
END;
/
-- Call the procedure
DECLARE
   result NUMBER;
BEGIN
   find_min(10, 20, result);
   DBMS_OUTPUT.PUT_LINE('Minimum is: ' || result);
END;
/
```



2. Insert Values into a Table Using Procedures

Ans.

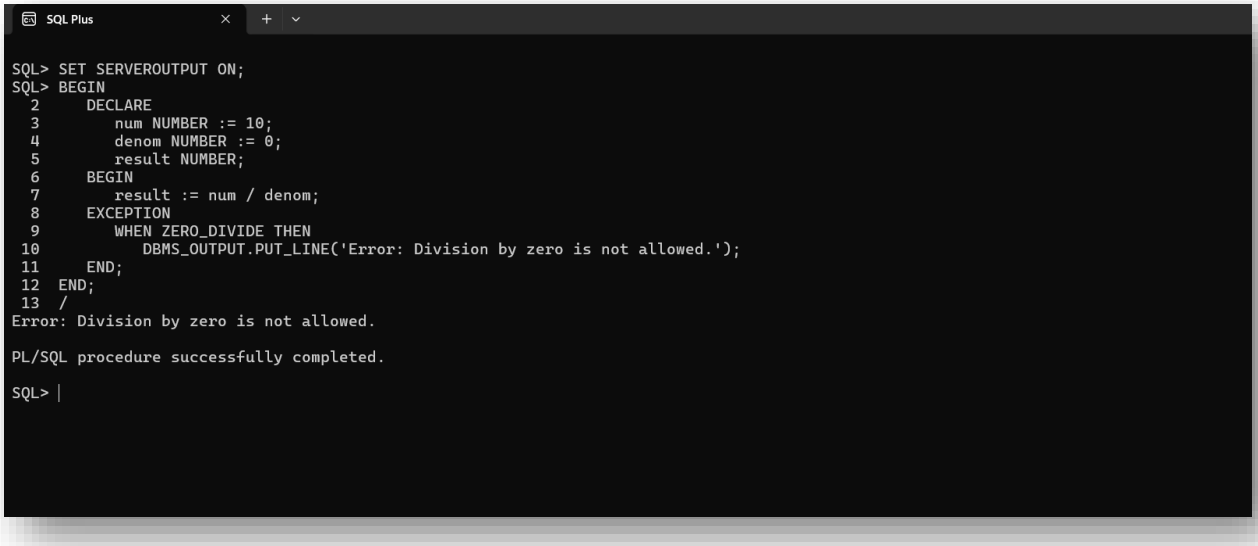
```
CREATE OR REPLACE PROCEDURE insert_into_table(emp_id IN NUMBER, emp_name IN
VARCHAR2) IS
BEGIN
   INSERT INTO employees (id, name) VALUES (emp_id, emp_name);
END;
/
SET SERVEROUTPUT ON;
BEGIN
   insert_into_table(1, 'Charan');
END;
/
```



3. Exception Handling: Zero Error

Ans.

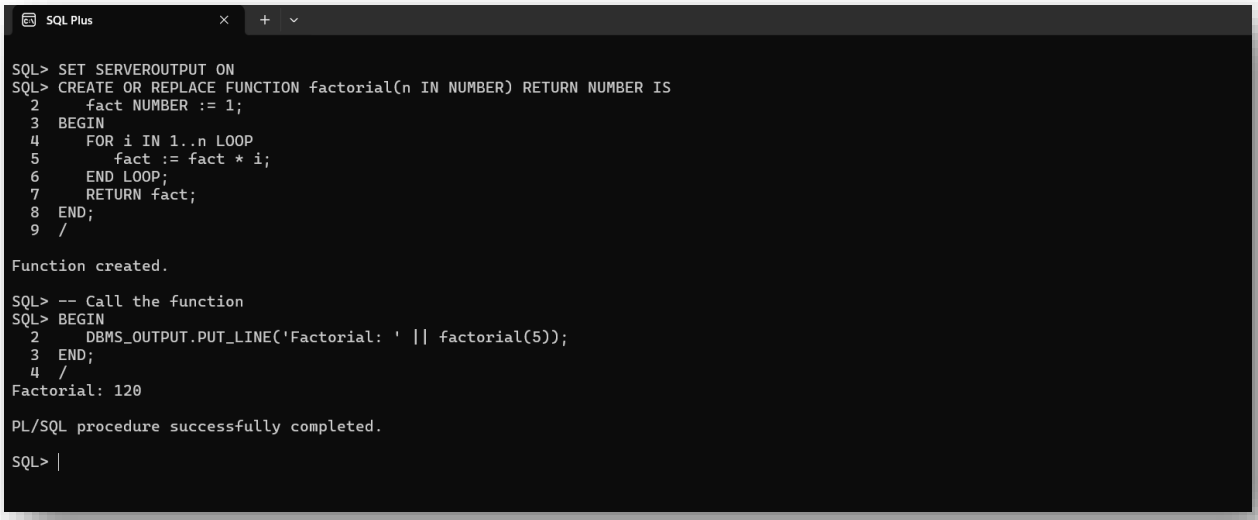
```
BEGIN
   DECLARE
      num NUMBER := 10;
      denom NUMBER := 0;
      result NUMBER;
   BEGIN
      result := num / denom;
   EXCEPTION
      WHEN ZERO_DIVIDE THEN
         DBMS_OUTPUT.PUT_LINE('Error: Division by zero is not allowed.');
   END;
END;
/
```



4. Find Factorial Using Functions

Ans.

```
CREATE OR REPLACE FUNCTION factorial(n IN NUMBER) RETURN NUMBER IS
   fact NUMBER := 1;
BEGIN
   FOR i IN 1..n LOOP
      fact := fact * i;
   END LOOP;
   RETURN fact;
END;
/
-- Call the function
BEGIN
   DBMS_OUTPUT.PUT_LINE('Factorial: ' || factorial(5));
END;
/
```



5. Exception Handling: No Rows

Ans.

```
BEGIN
   DECLARE
      v_name VARCHAR2(50);
   BEGIN
      SELECT name INTO v_name FROM employees WHERE id = 100;
   EXCEPTION
      WHEN NO_DATA_FOUND THEN
         DBMS_OUTPUT.PUT_LINE('Error: No rows found.');
   END;
END;
/
```