**Practical No. 01**

**Aim:**

### **a). Using Variables in PL/SQL**

### **b. Writing an Executable PL/SQL Statement**

**C. Create anonymous PL/SQL**

### **D. Working with Sequences**

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**Roll No.:58**

**Subject: Procedural Language extensions**

**to the Structured Query Language**

**Sign:**

### **a). Using Variables in PL/SQL**

**Input:**

Set Serveroutput on;

DECLARE

v\_emp\_id NUMBER := 100;

v\_emp\_name VARCHAR2(50) := 'John Doe';

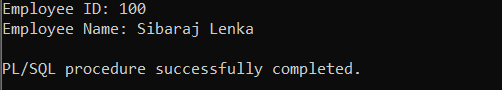
BEGIN

DBMS\_OUTPUT.PUT\_LINE('Employee ID: ' || v\_emp\_id);

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

END;

**Expected Output**:



### **b. Writing an Executable PL/SQL Statement**

**Input:**

Set serveroutput on;

DECLARE

x NUMBER := 10;

y NUMBER := 20;

z NUMBER;

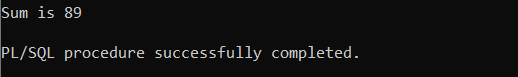
BEGIN

z := x + y;

dbms\_output.put\_line('Sum is '||z);

END;

**Expected Output:**



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**C. Create anonymous PL/SQL**

**block,**

**Example**:

Set serveroutput on;

DECLARE

-- declare variable a, b and c

-- and these three variables datatype are integer

a number;

b number;

c number;

BEGIN

a:= 54;

b:= 45;

--find largest number

--take it in c variable

IF a > b THEN

c:= a;

ELSE

c:= b;

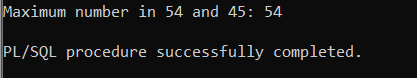
END IF;

dbms\_output.put\_line(' Maximum number in 54 and 45: ' || c);

END;

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**Expected Output:**



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### **D. Working with Sequences**

**Example**:

Set serveroutput on;

CREATE SEQUENCE emp\_sequence START WITH 1 INCREMENT BY 1 NOCYCLE CACHE 10;

CREATE TABLE employees (

employee\_id NUMBER PRIMARY KEY,

first\_name VARCHAR2(50),

last\_name VARCHAR2(50),

hire\_date DATE

);

DESCRIBE employees;

-- Insert Employee 1

INSERT INTO employees (employee\_id, first\_name, last\_name, hire\_date)

VALUES (emp\_seq.NEXTVAL, 'John', 'Doe', SYSDATE);

-- Insert Employee 2

INSERT INTO employees (employee\_id, first\_name, last\_name, hire\_date)

VALUES (emp\_seq.NEXTVAL, 'Alice', 'Smith', SYSDATE);

-- Insert Employee 3

INSERT INTO employees (employee\_id, first\_name, last\_name, hire\_date)

VALUES (emp\_seq.NEXTVAL, 'Bob', 'Johnson', SYSDATE);

SELECT \* FROM employees;

**Expected Output:**

