**Name: Rohan C. Dhadke**

**Roll No. 13136**

**Practical No. 4 & 5 Procedure**

**Procedure.sql**

DECLARE

v\_radius NUMBER := 5;

v\_area NUMBER;

BEGIN

-- Loop through radii from 5 to 9

FOR i IN 5..9 LOOP

v\_area := 3.14159 \* (v\_radius \* v\_radius);

INSERT INTO areas (radius, area) VALUES (v\_radius, v\_area);

v\_radius := v\_radius + 1;

END LOOP;

COMMIT;

END;

/

Output:

SQL\*Plus: Release 21.0.0.0.0 - Production on Tue Oct 10 03:03:37 2023

Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: SYSTEM

Enter password:

Last Successful login time: Tue Oct 10 2023 02:11:42 -07:00

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> CREATE TABLE areas(radius int, area int);

Table created.

SQL> SET SERVEROUTPUT ON;

SQL> @ Procedure.sql

PL/SQL procedure successfully completed.

SQL> SELECT \* FROM areas;

RADIUS AREA

---------- ----------

5 79

6 113

7 154

8 201

9 254

SQL>