

Assignment - A5

Write a PL/SQL code block to calculate the area of a circle for a value of radius varying from 5 to 9. Store the radius and the corresponding values of calculated area in an empty table named areas, consisting of two columns, radius and area.

```
SET SERVEROUTPUT ON
CREATE TABLE assignment_3b(radius NUMBER,area NUMBER)

DECLARE
    radius_var NUMBER;
    area_var NUMBER;
    pi NUMBER := 3.14;
BEGIN
    FOR radius_var IN 5 .. 9 LOOP
        area_var := pi*radius_var*radius_var;
        dbms_output.put_line(area_var);
        INSERT INTO assignment_3b VALUES (radius_var,area_var);
    END LOOP;

END;
/

/* -----OUTPUT-----

      RADIUS      AREA
-----
      5         78.5
      6        113.04
      7        153.86
      8        200.96
      9        254.34
-----/*
```