

Assignment -4 & 5

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Aim:-

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_4b(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_4b 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

```
...../
```