

## Assignment No:4b

**Problem Statement:** 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.

```
SQL> set serveroutput on
```

```
create table areas(Radius decimal(10,2) primary key,area
decimal(10,2));
```

```
SQL> DECLARE
```

```
2  t_rad areas.Radius%type;
3  t_area areas.area%type;
5  BEGIN
6  FOR t_rad in 5..9 LOOP
7  t_area :=3.14*t_rad*t_rad;
8  dbms_output.put_line('Area of Circle of radius '||t_rad||'
is '||t_area);
9  insert into areas values(t_rad,t_area);
10 END LOOP;
11 END;
12 /
```

### OUTPUT:

```
Area of Circle of radius 5 is 78.5
Area of Circle of radius 6 is 113.04
Area of Circle of radius 7 is 153.86
Area of Circle of radius 8 is 200.96
Area of Circle of radius 9 is 254.34
```

PL/SQL procedure successfully completed.

SQL> select \* from areas;

RADIUS	AREA
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5	78.5
6	113.04
7	153.86
8	200.96
9	254.34