ASSIGNMENT 4

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.

**mysql> create table areas (radius int, area float(4));**

**mysql> delimiter //**

**mysql> create procedure calc (in var1 int, out var2 float(4))**

**-> begin**

**-> while var1<=9 do**

**-> set var2 = var1\*var1\*3.14;**

**-> insert into areas values (var1,var2);**

**-> set var1 = var1+1;**

**-> end while;**

**-> end**

**-> //**

**mysql> call calc(5,@n1)//**

**mysql> select \* from areas//**

+--------+--------+

| radius | area |

+--------+--------+

| 5 | 78.5 |

| 6 | 113.04 |

| 7 | 153.86 |

| 8 | 200.96 |

| 9 | 254.34 |

+--------+--------+

5 rows in set (0.00 sec)