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ROLL NO:7307  
  
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)