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Roll no:- 55
Batch:- T4

Practicl No.05

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

****

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| Circle             |
| Customer           |
| Grade              |
| Library            |
| LibraryDB          |
| abhi               |
| borrower           |
| circle             |
|                    |
+--------------------+
17 rows in set (0.00 sec)
```

USE DATABASE:

```
mysql> use Circle;
Database changed
mysql> delimiter//
   -> ^C
mysql> delimiter //
```

SHOW TABLES:

```
mysql> show tables//
+------------------+
| Tables_in_Circle |
+------------------+
| Area             |
+------------------+
1 row in set (0.00 sec)
```

CREATE PROCEDURE:

```
mysql> create procedure Area_Circle(IN radius float(6,2))
   -> begin
   -> declare Area float(6,2);
   -> set Area=3.142*radius*radius;
   -> insert into Area value(radius,Area);
   -> end;
```

```
   -> //
Query OK, 0 rows affected (0.03 sec)

mysql> call Area_Circle(5)//
Query OK, 1 row affected (0.06 sec)

mysql> select * from Area//



+--------+-------+
| radius | Area  |
+--------+-------+
|      5 | 78.55 |
+--------+-------+
2 rows in set (0.00 sec)

mysql> call Area_Circle(6)//
Query OK, 1 row affected (0.04 sec)

mysql> call Area_Circle(7)//
Query OK, 1 row affected (0.03 sec)

mysql> call Area_Circle(8)//
Query OK, 1 row affected (0.03 sec)

mysql> call Area_Circle(9)//
Query OK, 1 row affected (0.03 sec)

mysql> call Area_Circle(10)//
Query OK, 1 row affected (0.03 sec)

mysql> call Area_Circle(4)//
Query OK, 1 row affected (0.03 sec)

mysql> select * from Area//
+--------+--------+
| radius | Area   |
+--------+--------+
|      5 |  78.55 |
|      5 |  78.55 |
|      6 | 113.11 |
|      7 | 153.96 |
|      8 | 201.09 |
|      9 |  254.5 |
|     10 |  314.2 |
|      4 |  50.27 |
+--------+--------+
8 rows in set (0.00 sec)

mysql> Exit
Bye
```