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Command Prompt - mysql -u root -p
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database A4_1;
Query OK, 1 row affected (0.01 sec)

mysql> use A4_1;
Database changed
mysql>
mysql> create table areas(
->     radius decimal(5,2),
->     area decimal(10,2)
-> );
Query OK, 0 rows affected (0.03 sec)

mysql>
mysql> delimiter //
mysql> create procedure circle_area()
-> begin
->     declare r int default 5;
->     declare a decimal(10,2);
->
->     while r<=9 do
->         set a=pi()*r*r;
->         insert into areas(radius,area) values(r,round(a,2));
->         set r=r+1;
->     end while;
-> end;
-> //
Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;
mysql>

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mysql> call circle_area();
Query OK, 1 row affected (0.02 sec)

mysql>
mysql> select * from areas();
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version
for the right syntax to use near '()' at line 1
mysql> select * from areas;
+-----+-----+
| radius | area  |
+-----+-----+
| 5.00   | 78.54 |
| 6.00   | 113.10|
| 7.00   | 153.94|
| 8.00   | 201.06|
| 9.00   | 254.47|
+-----+-----+
5 rows in set (0.00 sec)

mysql>

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