

```
mysql> DELIMITER //
mysql> CREATE PROCEDURE get_factorial(IN N INT)
  -> BEGIN
  ->   SET @@GLOBAL.max_sp_recursion_depth = 255;
  ->   SET @@session.max_sp_recursion_depth = 255;
  ->
  ->   CALL factorial_recursive (N, @factorial);
  ->
  ->   SELECT @factorial;
  -> END//
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> DELIMITER//
```

ERROR:

DELIMITER must be followed by a 'delimiter' character or string

```
mysql> DELIMITER //
```

```
mysql> CREATE PROCEDURE factorial_recursive(IN N INT,OUT factorial INT)
  -> BEGIN
  ->   IF N = 1 THEN
  ->       SET factorial := 1;
  ->   ELSE
  ->       CALL factorial_recursive (N-1, factorial);
  ->       SET factorial := N * factorial;
  ->   END IF;
  -> END//
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> DELIMITER ;
```

```
mysql> Call get_factorial(5);
```

```
+-----+
| @factorial |
+-----+
|          120 |
+-----+
```

1 row in set (0.05 sec)