

```
mysql> CREATE PROCEDURE test_mysql_while_loop()  
-> BEGIN  
-> DECLARE x INT;  
-> DECLARE str VARCHAR(255);  
->  
-> SET x = 1;  
-> SET str = '';  
->  
-> WHILE x <= 5 DO  
-> SET str = CONCAT(str,x,',');  
-> SET x = x + 1;  
-> END WHILE;  
->  
-> SELECT str;  
-> END  
-> //
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> CALL test_mysql_while_loop() //
```

```
+-----+  
| str      |  
+-----+  
| 1,2,3,4,5, |  
+-----+
```

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

```
mysql> CREATE PROCEDURE dorepeat(p1 INT) BEGIN SET @x=0; REPEAT SET @x=@x+1; UNTIL @x>p1 END REPEAT; END//  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> CALL dorepeat(4001) //  
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> SELECT @x;  
-> //  
+-----+  
| @x    |  
+-----+  
| 4002  |  
+-----+  
1 row in set (0.00 sec)
```