

Recursive function in action

```
using System;

public class FactorialTest
{
    public static void Main( string[] args )
    {
        for ( long counter = 0; counter <= 10; counter++ )
            Console.WriteLine( "{0}! = {1}", counter, Factorial( counter ) );
    } public static long Factorial( long number ) { if ( number
        <= 1 ) return 1; else return number * Factorial( number - 1 );
    } } [/csharp]
```