

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]
```