**Class MathUtils**

[java.lang.Object](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html) MathUtils

public class **MathUtils** extends [Object](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html)

Clase utilitaria para operaciones matemáticas. Proporciona métodos para cálculos matemáticos comunes.

# Constructor Summary

**Constructors**

|  |  |
| --- | --- |
| **Constructor** | **Description** |
| **MathUtils**() |  |

# Method Summary

**All Methods Static Methods Concrete Methods**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Method** | **Description** |
| static long **factorial**(int numero) Calcula el factorial de un número entero positivo. | | |

**Methods inherited from class**[**Object**](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#method-summary)

[clone](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#clone()) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#clone()) [equals](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#equals(java.lang.Object)) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#equals(java.lang.Object)) [finalize](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#finalize()) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#finalize()) [getClass](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#getClass()) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#getClass()) [hashCode](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#hashCode()) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#hashCode()) [notify](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#notify()) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#notify()) [notifyAll](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#notifyAll()) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#notifyAll()) [toString](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#toString()) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#toString()) [wait](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#wait()) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#wait()) [wait](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#wait(long)) [,](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#wait(long)) [wait](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/Object.html#wait(long,int))

# Constructor Details

**MathUtils**

public MathUtils()

# Method Details

**factorial**

public static long factorial(int numero)

Calcula el factorial de un número entero positivo. El factorial de un número n es el producto de todos los números enteros positivos desde 1 hasta n. Por ejemplo: 5! = 5 × 4 × 3 × 2 × 1 = 120.

**Parameters:** numero - El número entero positivo del cual se calculará el factorial. Debe ser un valor mayor o igual a 0.

**Returns:**

El factorial del número especificado como valor long.

**Throws:**

[IllegalArgumentException](https://docs.oracle.com/en/java/javase/25/docs/api/java.base/java/lang/IllegalArgumentException.html) - Si el número es negativo.