

JAVA.LANG.MATH.LOG10 METHOD

http://www.tutorialspoint.com/java/lang/math_log10.htm

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Description

The **java.lang.Math.log10** returns the base 10 logarithm of a double value. Special cases:

- If the argument is NaN or less than zero, then the result is NaN.
- If the argument is positive infinity, then the result is positive infinity.
- If the argument is positive zero or negative zero, then the result is negative infinity.
- If the argument is equal to 10ⁿ for integer n, then the result is n.

Declaration

Following is the declaration for **java.lang.Math.log10** method

```
public static double log10(double a)
```

Parameters

- **a** -- a value

Return Value

This method returns the base 10 logarithm of a.

Exception

- **NA**

Example

The following example shows the usage of lang.Math.log10 method.

```
package com.tutorialspoint;

import java.lang.*;

public class MathDemo {

    public static void main(String[] args) {

        // get two double numbers
        double x = 60984.1;
        double y = 1000;

        // get the base 10 logarithm for x
        System.out.println("Math.log10(" + x + ")=" + Math.log10(x));

        // get the base 10 logarithm for y
        System.out.println("Math.log10(" + y + ")=" + Math.log10(y));
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
Math.log10(60984.1)=4.78521661890635
Math.log10(1000)=3.0
```

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