

JAVA.LANG.MATH.ABS METHOD

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

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Description

The **java.lang.Math.abs** method returns the absolute value of an int value. If the argument is not negative, the argument is returned. If the argument is negative, the negation of the argument is returned. Note that if the argument is equal to the value of Integer.MIN_VALUE, the most negative representable int value, the result is that same value, which is negative.

Declaration

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

```
public static int abs(int a)
```

Parameters

- **a** -- the argument whose absolute value is to be determined

Return Value

This method returns the absolute value of the argument.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class MathDemo {

    public static void main(String[] args) {

        // get some integers to find their absolute values
        int x = 175;
        int y = -184;

        // get and print their absolute values
        System.out.println("Math.abs(" + x + ")=" + Math.abs(x));
        System.out.println("Math.abs(" + y + ")=" + Math.abs(y));
        System.out.println("Math.abs(-0)=" + Math.abs(-0));
    }
}
```

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

```
Math.abs(175)=175
Math.abs(-184)=184
Math.abs(-0)=0
```

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