

JAVA.LANG.MATH.TORADIANS METHOD

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

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Description

The **java.lang.Math.toRadians***double angdeg* converts an angle measured in degrees to an approximately equivalent angle measured in radians. The conversion from degrees to radians is generally inexact.

Declaration

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

```
public static double toRadians(double angdeg)
```

Parameters

- **angdeg** -- an angle, in degrees

Return Value

This method returns the measurement of the angle angdeg in radians.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class MathDemo {

    public static void main(String[] args) {

        // get two double numbers numbers
        double x = 45;
        double y = -180;

        // convert them in radians
        x = Math.toRadians(x);
        y = Math.toRadians(y);

        // print the hyperbolic tangent of these doubles
        System.out.println("Math.tanh(" + x + ")=" + Math.tanh(x));
        System.out.println("Math.tanh(" + y + ")=" + Math.tanh(y));
    }
}
```

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

```
Math.tanh(0.7853981633974483)=0.6557942026326724
Math.tanh(-3.141592653589793)=-0.99627207622075
```

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