

# JAVA.LANG.MATH.TODEGREES METHOD

[http://www.tutorialspoint.com/java/lang/math\\_todegrees.htm](http://www.tutorialspoint.com/java/lang/math_todegrees.htm)

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## Description

The **java.lang.Math.toDegrees** converts an angle measured in radians to an approximately equivalent angle measured in degrees. The conversion from radians to degrees is generally inexact; users should not expect `Math.toDegrees(Math.PI/2)` to exactly equal 0.0.

## Declaration

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

```
public static double toDegrees(double angrad)
```

## Parameters

- **angrad** -- an angle, in radians

## Return Value

This method returns the measurement of the angle `angrad` in degrees.

## Exception

- NA

## Example

The following example shows the usage of `lang.Math.toDegrees` 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 degrees
        x = Math.toDegrees(x);
        y = Math.toDegrees(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(2578.3100780887044)=1.0
Math.tanh(-10313.240312354817)=-1.0
Loading [Mathjax]/jax/output/HTML-CSS/jax.js
```