

JAVA.LANG.STRICTMATH.TAN METHOD

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

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Description

The **java.lang.StrictMath.tan** method returns the trigonometric tangent of an angle. It includes these cases:

- If the argument is NaN or an infinity, then the result is NaN.
- If the argument is zero, then the result is a zero with the same sign as the argument.

Declaration

Following is the declaration for **java.lang.StrictMath.tan** method

```
public static double tan(double a)
```

Parameters

- **a** -- This is an angle, in radians.

Return Value

This method returns the tangent of the argument.

Exception

- **NA**

Example

The following example shows the usage of java.lang.StrictMath.tan method.

```
package com.tutorialspoint;

import java.lang.*;

public class StrictMathDemo {

    public static void main(String[] args) {

        double d1 = (45*Math.PI)/180 , d2 = 0.0;

        // returns the trigonometric tangent of an angle
        double tanValue = StrictMath.tan(d1);
        System.out.println("tangent value of d1 : " + tanValue);

        tanValue = StrictMath.tan(d2);
        System.out.println("tangent value of d2 : " + tanValue);

    }
}
```

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

```
tangent value of d1 : 0.9999999999999999
tangent value of d2 : 0.0
```

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