

JAVA.MATH.MATHCONTEXT.GETPRECISION METHOD

http://www.tutorialspoint.com/java/math/mathcontext_getprecision.htm

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Description

The **java.math.MathContext.getPrecision** returns the precision setting. This value is always non-negative.

Declaration

Following is the declaration for **java.math.MathContext.getPrecision** method

```
public int getPrecision()
```

Parameters

- NA

Return Value

This method returns an int which is the value of the precision setting.

Exception

- NA

Example

The following example shows the usage of `math.MathContext.getPrecision` method

```
package com.tutorialspoint;

import java.math.*;

public class MathContextDemo {

    public static void main(String[] args) {

        // create 2 MathContext objects
        MathContext mc1, mc2;

        // assign context settings to mc1, mc2
        mc1 = new MathContext(4, RoundingMode.CEILING);
        mc2 = new MathContext(50, RoundingMode.HALF_EVEN);

        // create 2 int objects
        int i1, i2;

        // assign precision of mc1, mc2 to i1, i2
        i1 = mc1.getPrecision();
        i2 = mc2.getPrecision();

        String str1 = "Precision of mc1 is " + i1;
        String str2 = "Precision of mc2 is " + i2;

        // print i1, i2 values
        System.out.println( str1 );
        System.out.println( str2 );
    }
}
```

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

Precision of mc1 is 4
Precision of mc2 is 50

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