

JAVA.MATH.BIGDECIMAL.PLUS METHOD

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

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Description

The **java.math.BigDecimal.plusMathContextmc** returns a BigDecimal whose value is *+this*, with rounding according to the context settings.

The effect of this method is identical to that of the `roundMathContext` method.

Declaration

Following is the declaration for **java.math.BigDecimal.plus** method

```
public BigDecimal plus(MathContext mc)
```

Parameters

- **mc** - the context to use

Return Value

This method returns the value of BigDecimal Object, rounded as necessary. A zero result will have a scale of 0.

Exception

- **ArithmeticException** - if the result is inexact but the rounding mode is UNNECESSARY

Example

The following example shows the usage of `math.BigDecimal.plus` method

```
package com.tutorialspoint;

import java.math.*;

public class BigDecimalDemo {

    public static void main(String[] args) {

        // create 2 BigDecimal Objects
        BigDecimal bg1, bg2;
        bg1 = new BigDecimal("-333.3454");

        MathContext mc = new MathContext(4); // 4 precision

        // perform plus on bg1 using mc
        bg2 = bg1.plus(mc);

        String str = "The Result of plus using context settings is " + bg2;

        // print the value of bg2
        System.out.println( str );

    }
}
```

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

```
The Result of plus using context settings is -333.3
```

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