JAVA.MATH.BIGDECIMAL.FLOATVALUE METHOD

Description

The **java.math.BigDecimal.floatValue** converts this BigDecimal to a float. If this BigDecimal has too great a magnitude represent as a float, it will be converted to Float.NEGATIVE_INFINITY or Float.POSITIVE_INFINITY as appropriate. The conversion can also lose information about the precision of the BigDecimal value when the return value is finite.

Declaration

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

```
public Float floatValue()
```

Specified by

- floatValue in class **Number**

Parameters

- **NA**

Return Value

This method returns the float value of the BigDecimal Object

Exception

- **NA**

Example

The following example shows the usage of math.BigDecimal.floatValue method

```
package com.tutorialspoint;

import java.math.*;

public class BigDecimalDemo {

   public static void main(String[] args) {

      // create a BigDecimal object
      BigDecimal bg;

      // create a Float object
      Float f;

      bg=new BigDecimal("1234.123486");

      // assign the converted value of bg to f
      f=bg.floatValue();

      String str = "Float value of " + bg + " is " + f;

      // print f value
      System.out.println( str );
   }
}
```

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

```
Float value of 1234.123486 is 1234.1235
```