

JAVA.MATH.BIGDECIMAL.VALUEOF METHOD

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

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Description

The **java.math.BigDecimal.valueOf***longunscaledVal, intscale* translates a long unscaled value and an int scale into a BigDecimal. This "static factory method" is provided in preference to a *long, int* constructor because it allows for reuse of frequently used BigDecimal values.

Declaration

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

```
public static BigDecimal valueOf(long unscaledVal, int scale)
```

Parameters

- **unscaledVal** - unscaled value of the BigDecimal
- **scale** - scale of the BigDecimal

Return Value

This method returns a BigDecimal whose value is (unscaledVal × 10^{-scale})

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.math.*;

public class BigDecimalDemo {

    public static void main(String[] args) {

        // create a BigDecimal object
        BigDecimal bg;

        // create a Long Object
        Long l = new Long("12345678");

        // assign the bigdecimal value of l to bg
        // scale is 4
        bg = BigDecimal.valueOf(l, 4);

        String str = "The Value of BigDecimal using scale 4 is " + bg;

        // print bg value
        System.out.println( str );

    }
}
```

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

```
The Value of BigDecimal using scale 4 is 1234.5678
```

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