

JAVA.LANG.FLOAT.FLOATTOINTBITS METHOD

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

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Description

The **java.lang.Float.floatToIntBits** method returns a representation of the specified floating-point value according to the IEEE 754 floating-point "single format" bit layout. It includes the following important points:

- If the argument is positive infinity, the result is 0x7f800000.
- If the argument is negative infinity, the result is 0xff800000.
- If the argument is NaN, the result is 0x7fc00000.

Declaration

Following is the declaration for **java.lang.Float.floatToIntBits** method

```
public static int floatToIntBits(float value)
```

Parameters

- **value** -- This is a floating-point number.

Return Value

This method returns the bits that represent the floating-point number.

Exception

- **NA**

Example

The following example shows the usage of java.lang.Float.floatToIntBits method.

```
package com.tutorialspoint;

import java.lang.*;

public class FloatDemo {

    public static void main(String[] args) {

        Float f = new Float("10.07");

        // returns the bits that represent the floating-point number
        System.out.println("Value = " + f.floatToIntBits(5.5f));
    }
}
```

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

```
Value = 1085276160
```

```
Loading [MathJax]/jax/output/HTML-CSS/jax.js
```