

JAVA.LANG.SHORT.VALUEOF METHOD

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

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Description

The **java.lang.Short.valueOf** method returns a Short object holding the value extracted from the specified String when parsed with the **radix** given by the second argument.

Declaration

Following is the declaration for **java.lang.Short.valueOf** method

```
public static Short valueOf(String s, int radix) throws NumberFormatException
```

Parameters

- **s** -- This is the string to be parsed.
- **radix** -- This is the radix to be used in interpreting s

Return Value

This method returns a Short object holding the value represented by the string argument in the specified radix.

Exception

- **NumberFormatException** -- If the String does not contain a parsable short.

Example

The following example shows the usage of java.lang.Short.valueOf method.

```
package com.tutorialspoint;

import java.lang.*;

public class ShortDemo {

    public static void main(String[] args) {

        short shortNum = 100;
        String str = "1000";

        // returns Short object representing given short value
        Short ShortValue = Short.valueOf(shortNum);
        // displays the short object value
        System.out.println("Short object representing the specified short value = " + ShortValue);

        // returns a Short object holding the value given by the specified String
        ShortValue = Short.valueOf(str);
        // displays the short object value
        System.out.println("Short object holding the value given by the specified String = " + ShortValue);

        /* returns a Short object holding the value from the specified String
        according to radix. */
        ShortValue = Short.valueOf(str, 2);
        // displays the short object value
        System.out.println("Short object value for specified String with radix 2 =" + ShortValue);

        // returns a Short object holding the value for string to radix
```

```
ShortValue = Short.valueOf("15" , 8) ;  
// displays the short object value  
System.out.println("Short object value String 15 with radix 8  
= " + ShortValue);  
}  
}
```

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

```
Short object representing the specified short value = 100  
Short object holding the value given by the specified String = 1000  
Short object value for specified String with radix 2 = 8  
Short object value String 15 with radix 8 = 13
```

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