

JAVA.UTIL.SCANNER.NEXTBIGINTEGER METHOD

http://www.tutorialspoint.com/java/util/scanner_nextbiginteger_radix.htm

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Description

The **java.util.Scanner.nextBigInteger** method scans the next token of the input as a BigInteger. If the next token matches the Integer regular expression defined above then the token is converted into a BigInteger value as if by removing all group separators, mapping non-ASCII digits into ASCII digits via the Character.digit, and passing the resulting string to the BigInteger *String, int* constructor with the specified radix.

Declaration

Following is the declaration for **java.util.Scanner.nextBigInteger** method

```
public BigInteger nextBigInteger(int radix)
```

Parameters

- **radix** -- the radix used to interpret the token

Return Value

This method returns the BigInteger scanned from the input

Exception

- **InputMismatchException** -- if the next token does not match the Integer regular expression, or is out of range
- **NoSuchElementException** -- if the input is exhausted
- **IllegalStateException** -- if this scanner is closed

Example

The following example shows the usage of java.util.Scanner.nextBigInteger method.

```
package com.tutorialspoint;

import java.util.*;

public class ScannerDemo {

    public static void main(String[] args) {

        String s = "23 Hello World! 3 + 3.0 = 6 ";

        // create a new scanner with the specified String Object
        Scanner scanner = new Scanner(s);

        // scan next token as a Big Integer with radix 4
        System.out.println(" " + scanner.nextBigInteger(4));

        // close the scanner
        scanner.close();
    }
}
```

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