

# JAVA.UTIL.SCANNER.NEXTINTINRADIX METHOD

[http://www.tutorialspoint.com/java/util/scanner\\_nextint\\_radix.htm](http://www.tutorialspoint.com/java/util/scanner_nextint_radix.htm)

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## Description

The **java.util.Scanner.nextInt** method scans the next token of the input as an int. This method will throw **InputMismatchException** if the next token cannot be translated into a valid int value as described below. If the translation is successful, the scanner advances past the input that matched.

## Declaration

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

```
public int nextInt(int radix)
```

## Parameters

- **radix** -- the radix used to interpret the token as an int value

## Return Value

This method returns the int 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.nextInt** method.

```
package com.tutorialspoint;

import java.util.*;

public class ScannerDemo {

    public static void main(String[] args) {

        String s = "Hello World! 3 + 3.0 = 6.0 true ";

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

        // find the next int token and print it
        // loop for the whole scanner
        while (scanner.hasNext()) {

            // if the next is a int, print found and the int with radix 4
            if (scanner.hasNextInt()) {
                System.out.println("Found :" + scanner.nextInt(4));
            }
            // if no int is found, print "Not Found:" and the token
            System.out.println("Not Found :" + scanner.next());
        }

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

```
}
```

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

```
Not Found :Hello
Not Found :World!
Found :3
Not Found :+
Not Found :3.0
Not Found :=
Not Found :6.0
Not Found :true
```

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