

JAVA.LANG.SYSTEM.NANOTIME METHOD

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

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Description

The **java.lang.System.nanoTime** method returns the current value of the most precise available system timer, in nanoseconds. The value returned represents nanoseconds since some fixed but arbitrary time *in the future*, so values may be negative and provides nanosecond precision, but not necessarily nanosecond accuracy.

Declaration

Following is the declaration for **java.lang.System.nanoTime** method

```
public static long nanoTime()
```

Parameters

- NA

Return Value

This method returns the current value of the system timer, in nanoseconds.

Exception

- NA

Example

The following example shows the usage of java.lang.System.nanoTime method.

```
package com.tutorialspoint;

import java.lang.*;

public class SystemDemo {

    public static void main(String[] args) {

        // returns the current value of the system timer, in nanoseconds
        System.out.print("time in nanoseconds = ");
        System.out.println(System.nanoTime());

        // returns the current value of the system timer, in milliseconds
        System.out.print("time in milliseconds = ");
        System.out.println(System.currentTimeMillis());
    }
}
```

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

```
time in nanoseconds = 255073580723571
time in milliseconds = 1349311227921
```

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