

JAVA.LANG.RUNTIME.TOTALMEMORY METHOD

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

Copyright © tutorialspoint.com

Description

The **java.lang.Runtime.totalMemory** method returns the total amount of memory in the Java virtual machine. The value returned by this method may vary over time, depending on the host environment. Note that the amount of memory required to hold an object of any given type may be implementation-dependent.

Declaration

Following is the declaration for **java.lang.Runtime.totalMemory** method

```
public long totalMemory()
```

Parameters

- NA

Return Value

This method does not return a value.

Exception

- NA

Example

The following example shows the usage of lang.Runtime.totalMemory method.

```
package com.tutorialspoint;

public class RuntimeDemo {

    public static void main(String[] args) {

        // print the state of the program
        System.out.println("Program is starting...");

        // print the total memory
        System.out.println("'" + Runtime.getRuntime().totalMemory());

    }
}
```

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

```
Program is starting...
63111168
```

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