

JAVA.LANG.SYSTEM.GC METHOD

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

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Description

The **java.lang.System.gc** method runs the garbage collector. Calling this suggests that the Java Virtual Machine expend effort toward recycling unused objects in order to make the memory they currently occupy available for quick reuse.

Declaration

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

```
public static void gc()
```

Parameters

- NA

Return Value

This method does not return any value.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class SystemDemo {

    public static void main(String[] args) {

        public static void main(String[] args) {

            int arr1[] = { 0, 1, 2, 3, 4, 5 };
            int arr2[] = { 0, 10, 20, 30, 40, 50 };

            // copies an array from the specified source array
            System.arraycopy(arr1, 0, arr2, 0, 1);
            System.out.print("array2 = ");
            System.out.print(arr2[0] + " ");
            System.out.println(arr2[1] + " ");

            // it runs the GarbageCollector
            System.gc();
            System.out.println("Cleanup completed...");
        }
    }
}
```

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

```
array2 = 0 10
Cleanup completed...
```

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