JAVA.LANG.RUNTIME.GC METHOD

Description

The **java.lang.Runtime.gc** method runs the garbage collector. Calling this method 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. When control returns from the method call, the virtual machine has made its best effort to recycle all discarded objects.

The name gc stands for "garbage collector". The virtual machine performs this recycling process automatically as needed, in a separate thread, even if the gc method is not invoked explicitly. The method System.gc is the conventional and convenient means of invoking this method.

Declaration

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

```java
public void gc()
```

Parameters

- **NA**

Return Value

This method does not return a value.

Exception

- **NA**

Example

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

```java
package com.tutorialspoint;

public class RuntimeDemo {

   public static void main(String[] args) {

   // print when the program starts
   System.out.println("Program starting...");

   // run the garbage collector
   System.out.println("Running Garbage Collector...");
   Runtime.getRuntime().gc();
   System.out.println("Completed.");
   }
}
```

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

```
Program starting...
Running Garbage Collector...
Completed.
```

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