Description

The **java.lang.Runtime.runFinalization** method runs the finalization methods of any objects pending finalization. Calling this method suggests that the Java virtual machine expend effort toward running the finalize methods of objects that have been found to be discarded but whose finalize methods have not yet been run. When control returns from the method call, the virtual machine has made a best effort to complete all outstanding finalizations.

The virtual machine performs the finalization process automatically as needed, in a separate thread, if the runFinalization method is not invoked explicitly. The method System.runFinalization is the conventional and convenient means of invoking this method.

Declaration

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

```
public void runFinalization()
```

Parameters

- **NA**

Return Value

This method does not return a value.

Exception

- **NA**

Example

The following example shows the usage of lang.Runtime.runFinalization 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...");

   // run the finalization
   System.out.println("Running Finalization...");
   Runtime.getRuntime().runFinalization();
   System.out.println("Done.");


   }
}
```

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

```
Program is starting...
Running Finalization...
Done.
```

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