

JAVA.LANG.RUNTIME.REMOVESHUTDOWNHOOK METHOD

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

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Description

The **java.lang.Runtime.removeShutdownHookThreadhook** method de-registers a previously-registered virtual-machine shutdown hook.

Declaration

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

```
public boolean removeShutdownHook(Thread hook)
```

Parameters

- **hook** -- the hook to remove

Return Value

This method returns *true* if the specified hook had previously been registered and was successfully de-registered, *false* otherwise.

Exception

- **IllegalStateException** -- If the virtual machine is already in the process of shutting down
- **SecurityException** -- If a security manager is present and it denies RuntimePermission "shutdownHooks"

Example

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

```
package com.tutorialspoint;

public class RuntimeDemo {

    // a class that extends thread that is to be called when program is exiting
    static class Message extends Thread {

        public void run() {
            System.out.println("Bye.");
        }
    }

    public static void main(String[] args) {
        try {
            Message p = new Message();
            // register Message as shutdown hook
            Runtime.getRuntime().addShutdownHook(p);

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

            // cause thread to sleep for 3 seconds
            System.out.println("Waiting for 3 seconds...");
            Thread.sleep(3000);

            // remove the hook
            Runtime.getRuntime().removeShutdownHook(p);

            // print that the program is closing
            System.out.println("Program is closing...");
        }
    }
}
```

```
} catch (Exception e) {  
  e.printStackTrace();  
}  
}
```

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

```
Program is starting...  
Waiting for 3 seconds...  
Program is closing...
```

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