

JAVA.LANG.RUNTIME.EXEC METHOD

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

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Description

The **java.lang.Runtime.execStringCommand**, **String[]envp** method executes the specified string command in a separate process with the specified environment. This is a convenience method. An invocation of the form **execcommand, envp** behaves in exactly the same way as the invocation **exec command, envp, null**.

Declaration

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

```
public Process exec(String command, String[] envp)
```

Parameters

- **command** -- a specified system command.
- **envp** -- array of strings, each element of which has environment variable settings in the format name=value, or null if the subprocess should inherit the environment of the current process.

Return Value

This method returns a new Process object for managing the subprocess

Exception

- **SecurityException** -- If a security manager exists and its checkExec method doesn't allow creation of the subprocess
- **IOException** -- If an I/O error occurs
- **NullPointerException** -- If command is null, or one of the elements of envp is null
- **IllegalArgumentException** -- If command is empty

Example

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

```
package com.tutorialspoint;

import java.io.File;

public class RuntimeDemo {

    public static void main(String[] args) {
        try {

            // print a message
            System.out.println("Executing notepad.exe...");

            // create a process and execute notepad.exe and current environment
            Process process = Runtime.getRuntime().exec("notepad.exe", null);

            // print another message
            System.out.println("Notepad should now open.");

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

```
}  
}
```

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

Executing notepad.exe...

Notepad should now open.

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