

# Jenkins Groovy CheatSheet

## LANGUAGES

- PDF Link: [cheatsheet-jenkins-groovy-A4.pdf](#), Category: languages
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-jenkins-groovy-A4>
- Related posts: Jenkins CheatSheet, [#denny-cheatsheets](#)

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## 1.1 Jenkins Pipeline

Name	Comment
Specify parameter to run jobs	<code>build job:'job1', parameters:[string(name:'name1', value:va1)]</code>
Run job in different agents	<code>node(\$agent_label) {...}</code>
Use boolean parameter	<code>if (is_true == "false") {...}</code>
Ask for user input	<code>stage('stage2'){ input "OK to go?" }</code>
Actively fail current pipeline job	<code>error("Build failed because of this and that..")</code>
Keep going when previous stage has failed	<code>keepgoingwitherrors.groovy</code>
Send slack notification in pipeline	<code>slack_notification.groovy</code>
validate user input: ip address	<code>assert ip_address.matches("\\d{1,3}\\\\.\\d{1,3}\\\\.\\d{1,3}\\\\.\\d{1,3}")</code>
Read Environment Variables	<code>def env = System.getenv()</code>

## 1.2 Array

Name	Comment
Iterate a list	<code>(1..3).each { println "Number \${it}" }</code>
Iterate a list	<code>for(item in [1,2,3,4]){ println item }</code>
Add item to list	<code>def alist = [10, 9, 8]; alist &lt;&lt; 7</code>
List size	<code>def alist = [10, 9, 8]; alist.size()</code>

## 1.3 String

Name	Comment
Print stdout	<code>echo 'Action is done'</code>
Print stdout	<code>println "Hello World"</code>
Split string with delimiter	<code>'1128-2'.tokenize ( '-' )</code>

## 1.4 Integer

Name	Comment
Basic caculation	<code>def a = 3, b = 7; println "\$a + \$b = \${a + b}"</code>

## 1.5 Dict/HashMap/Map

Name	Comment
Create a map	<code>def m = ['fruit':'Apple', 'veggie':'Carrot']</code>
Add an item to map	<code>m.put('denny','hello')</code>
Check if key exists	<code>m.containsKey('key1')</code>

## 1.6 Files

Name	Comment
Read file content as a variable	<code>def content = readFile("/tmp/test.txt")</code>

## 1.7 More Resources

- groovy-lang.org: <http://groovy-lang.org/documentation.html#gettingstarted>
- <https://jenkins.io/doc/>

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