

# Japanese Tutorial 1 - Getting started

## Getting Started

### Java

GroovyJava (1.4)Java:

- <http://java.sun.com> webJava
- JAVA\_HOMEWindows:
  - 
  - 
  - 
  - JAVA\_HOMEJava(C:\Program Files\Java\jdk1.5.0\_04)
  - %JAVA\_HOME%\bin
  - (: ".bat".cmd'JavaJava'.bat".cmd'Java)

### Groovy

- webGroovy
- groovyunzip(C:\dev\groovy-1.0-jsr-06)
- GROOVY\_HOMEWindow:
  - GROOVY\_HOMEgroovy(C:\dev\groovy-1.0-jsr-06)
  - "set"
  - %GROOVY\_HOME%\bin
  - GroovybingroovyConsole.baticon bingroovyConsole.bat

### jar

Groovy()GroovyJavajar

Name	From	Description
jtids-version.jar	<a href="http://jtids.sourceforge.net">http://jtids.sourceforge.net</a>	SQL()Sybase
hsqldb-version.jar	<a href="http://www.hsqldb.org/">http://www.hsqldb.org/</a>	100% Java HSQLDB

jarGroovyGroovy groovy-starter.conf

```
load ${user.home}/.groovy/lib/*
```

user.home (C:\Document and Settings\paul) .groovy/libjar  
(: GroovyCLASSPATHCLASSPATHjar)

### Hello, World

groovyConsole

```
println "Hello, World!"
```

<CTRL-R>  
OSgroovyConsole:

```
groovy> println "Hello, World!"  
null
```

"groovy>"null"groovyConsole"null"  
:

```
123+45*67
```

<CTRL-R>(<CTRL-R>)groovyConsole

:

```
x = 1  
println x  
  
x = new java.util.Date()  
println x  
  
x = -3.1499392  
println x  
  
x = false  
println x  
  
x = "Hi"  
println x
```

Groovy(Java)

```
myList = [1776, -1, 33, 99, 0, 928734928763]
```

(0):

```
println myList[0]
```

:

```
1776
```

"size":

```
println myList.size()
```

:

```
6
```

Javaeach()

IQ:

```
scores = [ "Brett":100, "Pete":"Did not finish", "Andrew":86.87934 ]
```

BrettQIntegerPeteStringAndrew:

```
println scores["Pete"]  
println scores.Pete
```

:

```
Did not finish  
Did not finish
```

PeteIQ3:

```
scores["Pete"] = 3
```

3

```
println scores["Pete"]
```

3

:

```
emptyMap = [:]  
emptyList = []
```

:

```
println emptyMap.size()
println emptyList.size()
```

0

if:

```
amPM = Calendar.getInstance().get(Calendar.AM_PM)
if (amPM == Calendar.AM)
{
    println("Good morning")
} else {
    println("Good evening")
}
```

: truefalseBoolean  
elsethen:

```
amPM = Calendar.getInstance().get(Calendar.AM_PM)
if (amPM == Calendar.AM)
{
    println("Have another cup of coffee.")
}
```

## Boolean

truefalsebooleanBoolean

```
myBooleanVariable = true
```

booleanboolean:

```
* ==
* !=
* >
* >=
* <
* <=
```

===not equal!=

:

```

titanicBoxOffice = 1234600000
titanicDirector = "James Cameron"

trueLiesBoxOffice = 219000000
trueLiesDirector = "James Cameron"

returnOfTheKingBoxOffice = 752200000
returnOfTheKingDirector = "Peter Jackson"

theTwoTowersBoxOffice = 581200000
theTwoTowersDirector = "PeterJackson"

titanicBoxOffice > returnOfTheKingBoxOffice // evaluates to true
titanicBoxOffice >= returnOfTheKingBoxOffice // evaluates to true
titanicBoxOffice >= titanicBoxOffice // evaluates to true
titanicBoxOffice > titanicBoxOffice // evaluates to false
titanicBoxOffice + trueLiesBoxOffice < returnOfTheKingBoxOffice +
theTwoTowersBoxOffice // evaluates to false

titanicDirector > returnOfTheKingDirector // evaluates to false, because "J" is
before "P"
titanicDirector < returnOfTheKingDirector // evaluates to true
titanicDirector >= "James Cameron" // evaluates to true

```

Booleanif:

```

if (titanicBoxOffice + trueLiesBoxOffice > returnOfTheKingBoxOffice +
theTwoTowersBoxOffice)
{
    println(titanicDirector + " is a better director than " + returnOfTheKingDirector)
}

```

null():

```

suvMap = ["Acura MDX": "\$36,700", "Ford Explorer": "\$26,845"]
if (suvMap["Hummer H3"] != null)
{
    println("A Hummer H3 will set you back "+suvMap["Hummer H3"]);
}

```

null

## Tips

- myVar.getClass()
- 
- groovyConsole()
- Groovy

# Java

- Java
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