



Programming in

Groovy

by Gábor Szabó

Groovy Book

Gábor Szabó

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Preface

A collection of my [Groovy-related articles](https://code-maven.com/groovy)³.

³<https://code-maven.com/groovy>

Changes

v0.04 2019-04-21

- New entries
 - * [Evaluate code in other files](#)
 - * [Classes](#)
 - * [Function overloading](#)
 - * [Variable scope](#)
 - * [Recursive functions](#)
 - * [Command line arguments](#)
 - * [Join](#)
 - * [Pop, Push](#)
 - * [printf](#)
 - * [System.properties](#)
 - * [Path to current script](#)

Books has now 57 pages (in pdf) and 6,192 words reported in the book generation e-mail.

v0.03 2019-04-07

- New entries
 - * [Closures](#)
 - * [Remove spaces from string](#)
 - * [Temporary file](#)
 - * [Relative Path](#)
 - * [Return multiple values from function](#)
 - * [String length](#)
 - * [Substring](#)
 - * [For loop break, continue](#)

v0.02 2018-09-14

- Included lots of articles growing the book to 30 pages, 2,876 words.

v0.01 2018-09-13

- Initial release 8 pages, 235 words.

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Converting string to Integer

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Declare variable as Integer

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Groovy: Lists

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Is element in list? How many times?

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Groovy: sum of numbers

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Read line by line

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Groovy: color selector

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Groovy: read CSV file

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Read CSV file and add number in the 3rd column

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Count digits in Groovy

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Write a new file

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Write and Append

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Groovy map access elements

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Get all the keys in a Groovy map

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Sorted keys of a Groovy map

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Values of a Groovy map

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Return map from a function

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Adjust Timezone in Groovy

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Groovy: import and use functions from another file

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Importing function

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Import class from a subdirectory

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Import static methods from a class

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Import static methods from a class from a subdirectory

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Random float

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Random integers

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Groovy functions

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Hello World in a function

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Passing parameters and returning a result

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Defining the type of the parameters of a Groovy function

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Groovy: evaluate code in another file

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Groovy classes

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Groovy function overloading

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Optional parameter

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Same function with different types

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Groovy variable scope

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By default variables are global

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Create global variable inside a function

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Declare local variable with def

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Shall we use global or local variables?

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Factorial in recursive

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Fibonacci in recursive call

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Recursive

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Groovy command line arguments (args)

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Groovy pop push

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Pop from empty array raises exception

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Check emptiness before calling pop

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