



Go Piscine

Go 04

*Summary: THIS document is the subject for the Go 04 module of the Go Piscine @ 42Tokyo.*

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# Chapter I


## Instructions

- Only this page will serve as reference; do not trust rumors.
- Watch out! This document could potentially change up to an hour before submission.
- These exercises are carefully laid out by order of difficulty - from easiest to hardest. We will not take into account a successfully completed harder exercise if an easier one is not perfectly functional.
- Make sure you have the appropriate permissions on your files and directories.
- You have to follow the submission procedures for every exercise.
- Your exercises will be checked and graded by your fellow classmates.
- You cannot leave any additional file in your directory than those specified in the subject.
- Got a question? Ask your peer on the right. Otherwise, try your peer on the left.
- Your reference guide is called `Google / man / the Internet / ....`
- Examine the examples thoroughly. They could very well call for details that are not explicitly mentioned in the subject...
- If no other explicit information is displayed, you must use the latest versions of Go.
- Your turn-in directory for each exercise should look something like this:

```
ex[XX]
|-- main.go
|-- vendor
|   |-- ft
|       |-- printrune.go
|-- piscine
|   |-- [exercisename].go
```

# Chapter II

## Exercise 00 : printprogramname

	Exercise 00
printprogramname	
Turn-in directory : <i>ex00/</i>	
Files to turn in : *	
Allowed packages : <b>os</b>	
Allowed builtin functions : <b>None</b>	


Write a program that prints the name of the program.

- Example of output :

```
$ go mod init ex00
$ go build .
$ ./ex00 | cat -e
ex00$
$ go build -o main
$ ./main | cat -e
main$
$
```

# Chapter III

## Exercise 01 : printparams

	Exercise 01
printparams	
Turn-in directory : <i>ex01/</i>	
Files to turn in : *	
Allowed packages : <b>os</b>	
Allowed builtin functions : <b>None</b>	


Write a program that prints the arguments received in the command line.

- Example of output :

```
$ go mod init ex01
$ go run . norminette is the best cat
norminette
is
the
best
cat
cat
$
```

# Chapter IV

## Exercise 02 : revparams

	Exercise 02
revparams	
Turn-in directory : <i>ex02/</i>	
Files to turn in : *	
Allowed packages : <b>os</b>	
Allowed builtin functions : <b>None</b>	


Write a program that prints the arguments received in the command line in reverse order.

- Example of output :

```
$ go mod init ex02
$ go run . norminette is the best cat
cat
best
the
is
norminette
$
```

# Chapter V

## Exercise 03 : sortparams

	Exercise 03
sortparams	
Turn-in directory : <i>ex03/</i>	
Files to turn in : *	
Allowed packages : <b>os</b>	
Allowed builtin functions : <b>None</b>	

Write a program that prints the arguments received in the command line in ASCII order.

- Example of output :

```
$ go mod init ex03
$ go run . 1 a 2 A 3 b 4 C
1
2
3
4
A
C
a
b
$
```