

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 <u>cannot</u> leave <u>any</u> 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
|-- [excercisename].go
```

## Chapter II

## Exercise 00: printprogramname

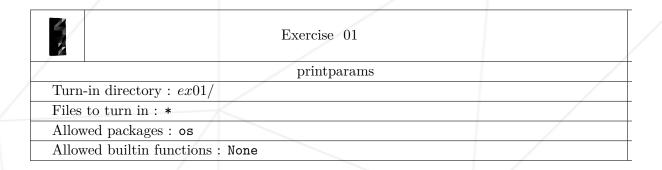
|                                  | Exercise 00      |   |
|----------------------------------|------------------|---|
| /                                | printprogramname | / |
| Turn-in directory : $ex00/$      |                  |   |
| Files to turn in : *             |                  |   |
| Allowed packages : os            |                  |   |
| Allowed builtin functions : None |                  |   |

Write a program that prints the name of the program.

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

### Chapter III

### Exercise 01: printparams

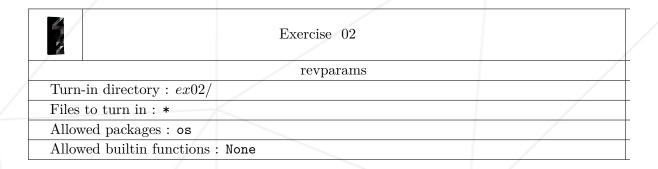


Write a program that prints the arguments received in the command line.

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

### Chapter IV

## Exercise 02: revparams



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

```
$ 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 : $ex03/$ |            |
| Files to turn in : *        |            |
| Allowed packages : os       |            |
| : None                      |            |
|                             | sortparams |

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

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