

Cloud Computing Systems:

Introduction to GO Programming

27 Octobre,2020

Instructions:

1. Make teams of two students to solve the TP.
2. Listen the brief introduction
3. Replace the “TODO”s in the TP with the correct code.
4. You are allowed to ask questions if you don't understand the examples.

Introduction to GO Programming:

Go is a new, general-purpose programming language. Go is designed for speed, efficiency and infrastructure. It is particularly proficient at concurrent systems programming.

Installation of GO:

Install Go from golang.org/doc/install. When you finish the installation, test your installation as follows. You can use the editors such as [vim](#) , [emacs](#), [Atom](#), [VS Code](#), and [Sublime](#)...

Create your [workspace](#) directory, \$HOME/go. (If you'd like to use a different directory, you will need to [set the GOPATH environment variable](#).)

```
package main
import "fmt"
func main() {
    fmt.Printf("hello, world\n")
}
```

Next, make the directory src/hello inside your workspace, and in that directory create a file named hello.go that looks like:

Then build it with the go tool:

```
$ cd $HOME/go/src/hello  
$ go build
```

The command above will build an executable named `hello` in the directory alongside your source code. Execute it to see the greeting:

```
$ ./hello  
hello, world
```

If you see the "hello, world" message then your Go installation is working.

Useful links to do the TP:

<https://tour.golang.org/welcome/1>

<https://blog.golang.org/>

https://golang.org/doc/effective_go.html

