

Hello, World Go



GO

Fist step with Golang



Setup Golang & Git

Download:

Golang: <https://golang.org/dl/>

Git: [https://git-scm.com/](https://git-scm.com/downloads)
[downloads](https://git-scm.com/downloads)



Set GOPATH

Windows:

```
setx GOPATH %USERPROFILE%/gopath
```

or

Control Panel -> System -> Advanced -> Environment Variables

Linux/Mac:

```
export GOPATH=$HOME/gopath
```

check go environment:

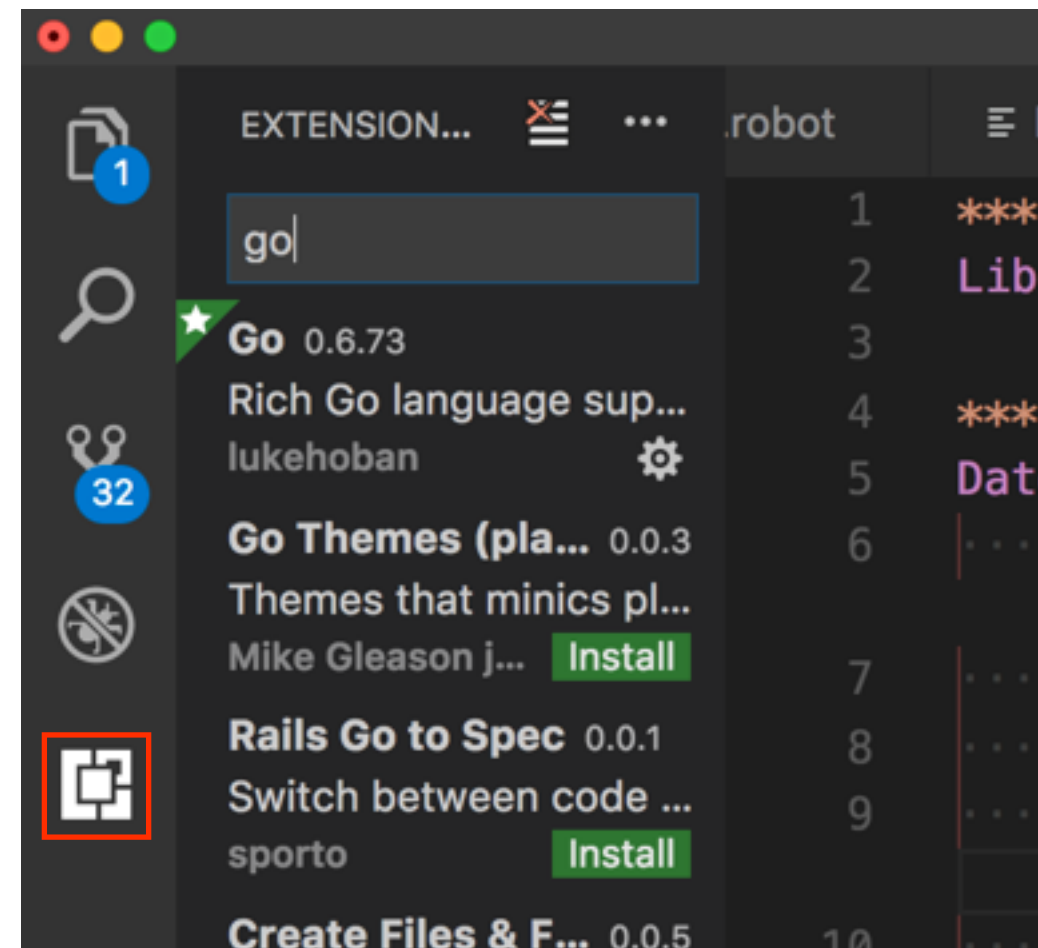
```
>go env  
>go version
```



Install IDE(VSCode)

Download: <https://code.visualstudio.com/>

Install VSCode Go Plugin:



Hello, World[1]

make working directory: [windows]

```
>md src\dojo\helloworld
```

make working directory: [linux/Mac]

```
>mkdir -p src/dojo/helloworld
```



Hello, World[2]

change directory and create new file: [windows]

```
>cd src\dojo\helloworld  
>touch helloworld.go  
>code helloworld.go
```

change directory and make working directory: [linux/Mac]

```
>cd src/dojo/helloworld  
>touch helloworld.go
```



Hello, World[3]

open editor[vscode]

```
>code helloworld.go
```

```
package main
```

```
import "fmt"
```

```
func main() {
```

```
    fmt.Println("Hello, สวัสดีครับ.")
```

```
}
```



Hello, World[4]

run:

```
>go run helloworld.go
```

build:

```
>go build helloworld.go
```

execute:

```
>helloworld.exe
```

build option [-o name]:

```
>go build -o myhello helloworld.go
```



Hello, World[5]

build GOOS:

```
>GOOS=[platform] go build helloworld.go
```

GOOS	GOARCH
darwin	amd64/386
linux	amd65/386
windows	amd65/386

```
>GOOS=darwin go build helloworld.go
```

```
>GOOS=linux go build helloworld.go
```



Hello, World[6]

1. package	package main
2. import	import "fmt"
3. function	func main() { fmt.Println("Hello, สวัสดีครับ.") }



Hello, World[7]

```
package main

import "fmt"

func main() {
    fmt.Println("Hello, สวัสดีครับ.")
}
```

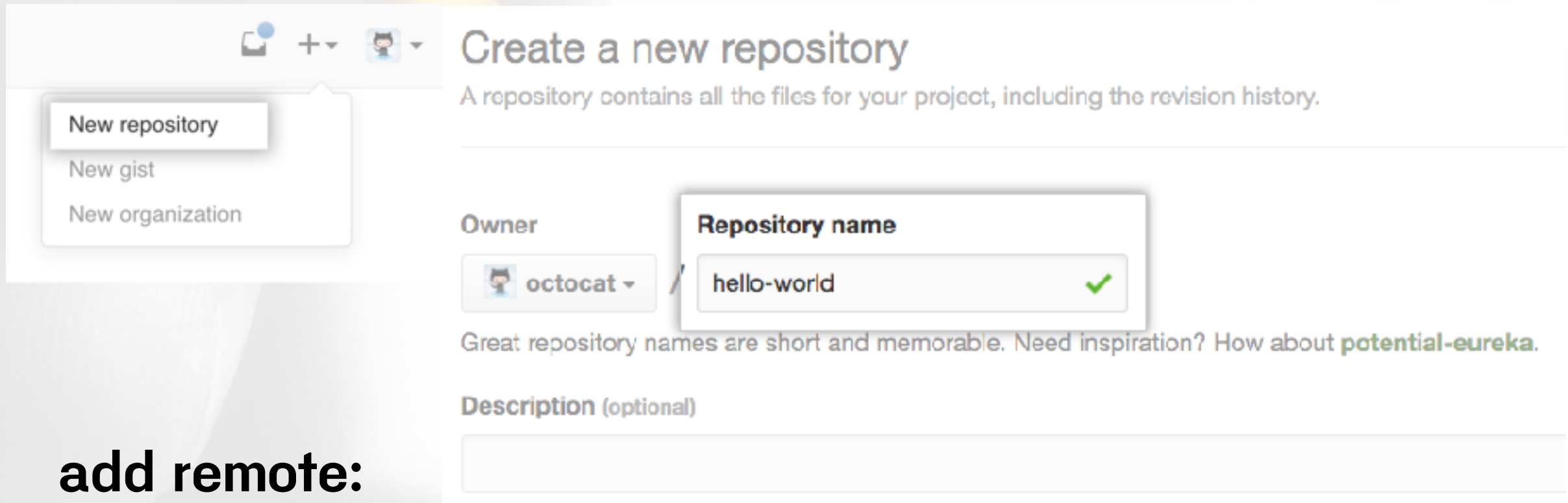
Go doc:

```
>godoc fmt
>godoc fmt.Println
>godoc -http=:8888
```



Hello, World[8]

create github repository:



Create a new repository

A repository contains all the files for your project, including the revision history.

Owner: octocat

Repository name: hello-world ✓

Great repository names are short and memorable. Need inspiration? How about **potential-eureka**.

Description (optional)

add remote:

```
>git remote add origin https://github.com/<user>/  
helloworld.git  
>git remote -v
```



Hello, World[9]

git and go get:

```
>git init  
>git add hello.go  
>git commit -m "Add helloworld.go."  
>git push
```

go get:

```
>go get github.com/<user>/helloworld
```

run command:

```
>helloworld
```



Document and Tutorial

Go documentation: <https://golang.org/doc/>

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

Go by Example: <https://gobyexample.com/>



Exercise

```
  _  _  
  |  |  c  
 |  |  ^23 v22  
Bangkok  few  clouds
```

