



# Hello, World Go

GO

## Fist step with Golang

# Setup Golang & Git

**Download:**

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

**Git:** <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
```

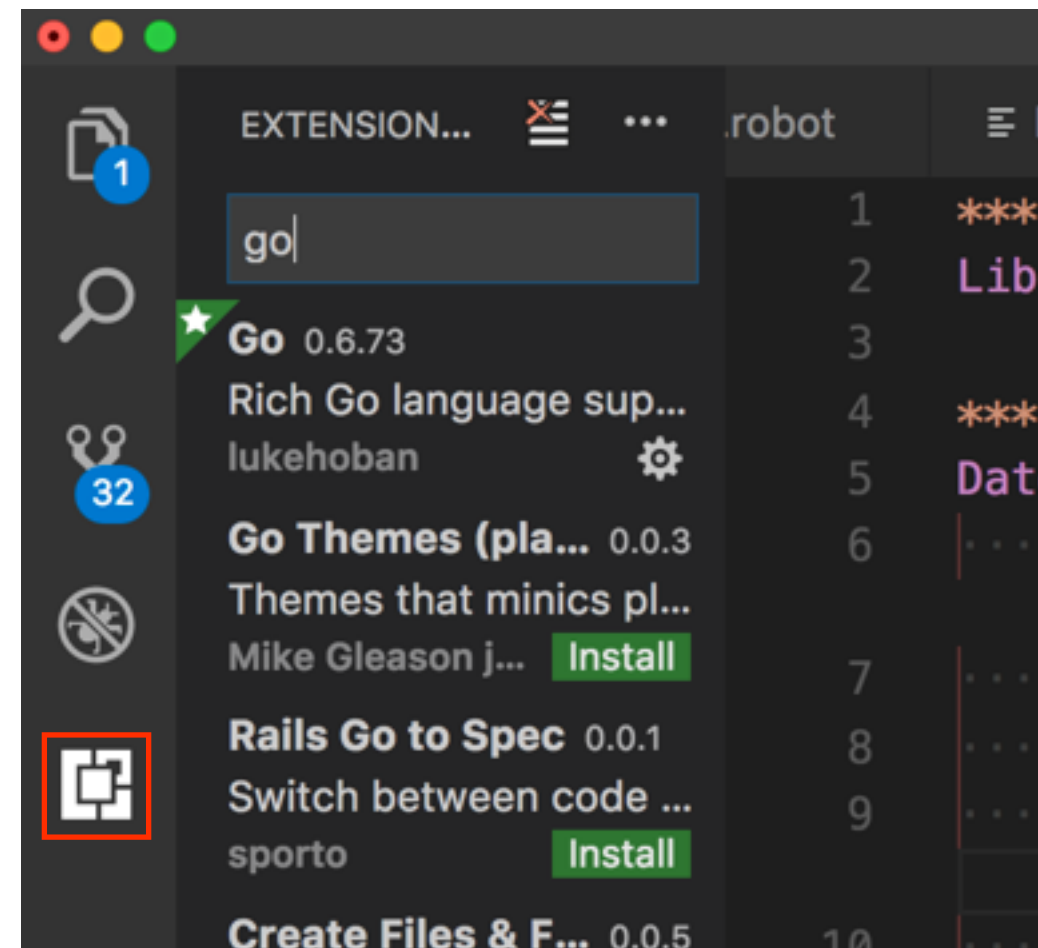
## check go environment:

```
>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[6]

|             |   |
|-------------|---|
| 1. package  | package main  |
| 2. import   | import "fmt"  |
| 3. function | func main() {<br>fmt.Println("Hello, สวัสดีครับ.")<br>} |

# 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[5]

## build GOOS:

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

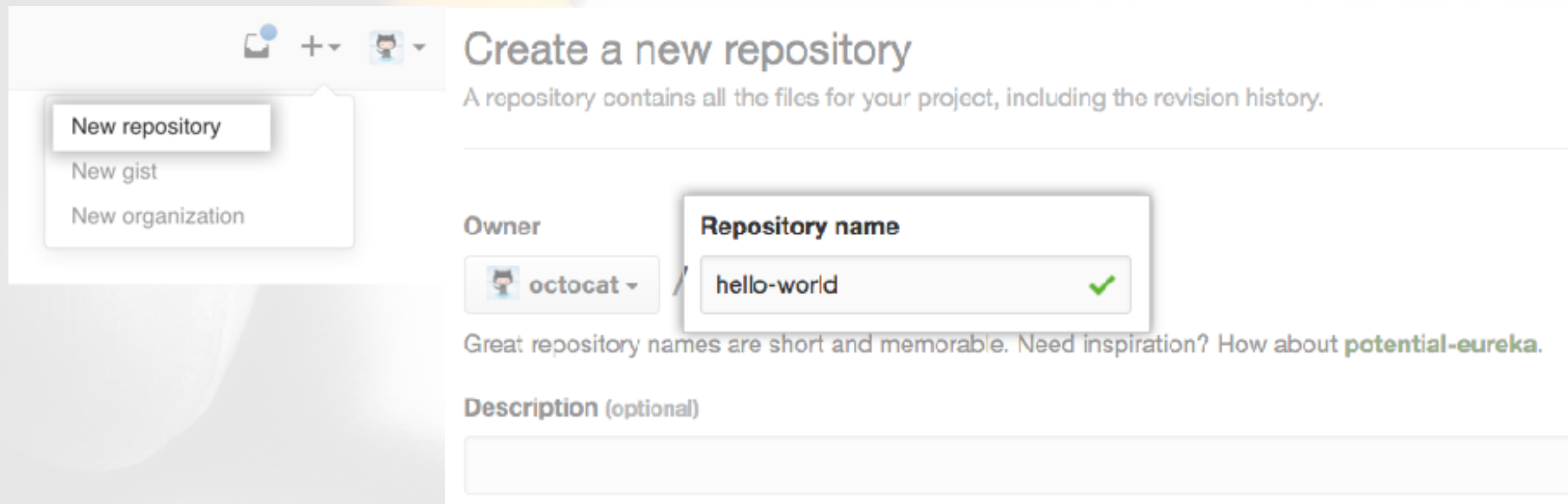
| GOOS    | GOARCH    |
|---------|-----------|
| darwin  | amd64/386 |
| linux   | amd65/386 |
| windows | amd65/386 |

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

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

# Hello, World[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 ·
```