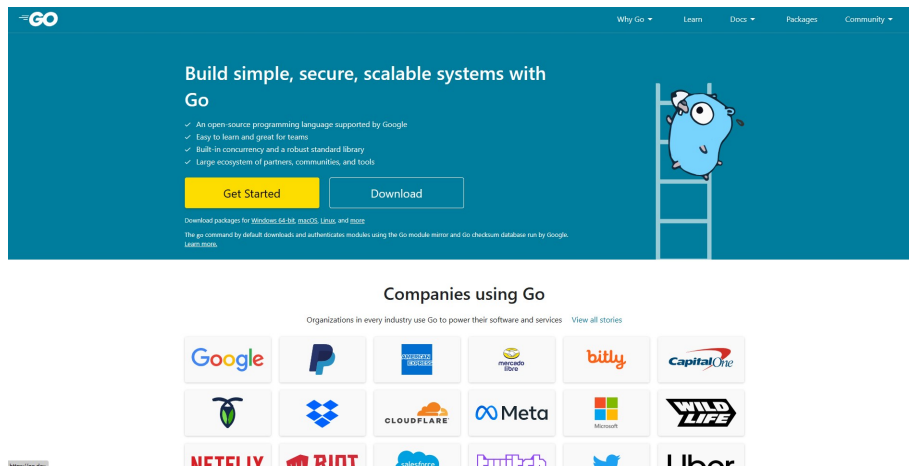# Go Guide Learning

Rafael and Julien
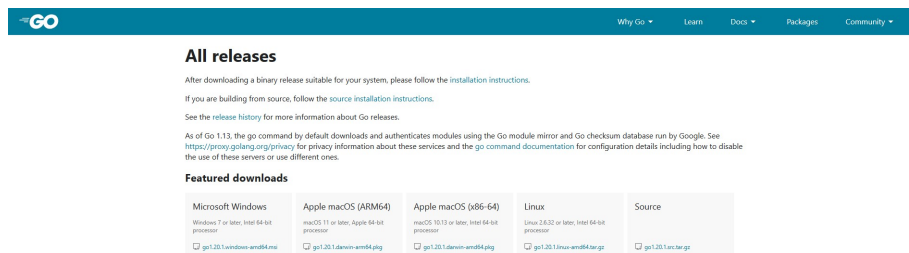
March 6, 2023

# 1 Go Lang Installation
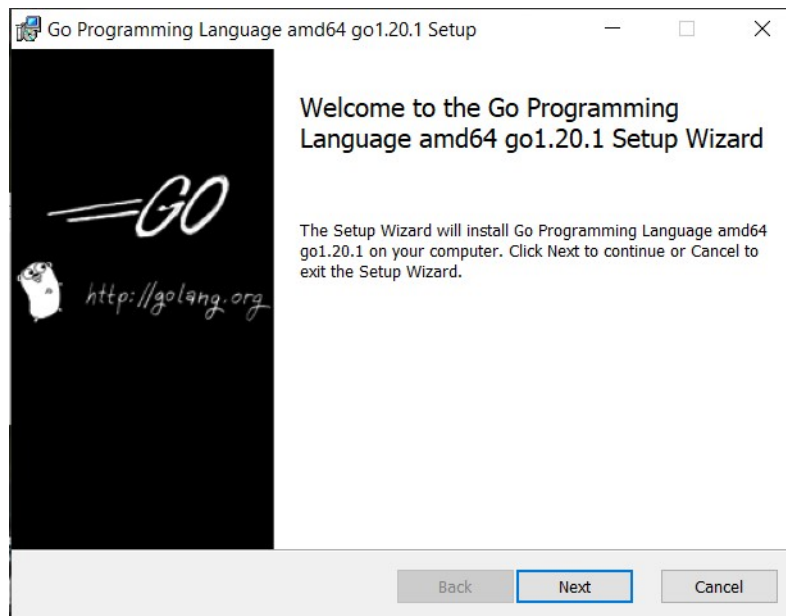
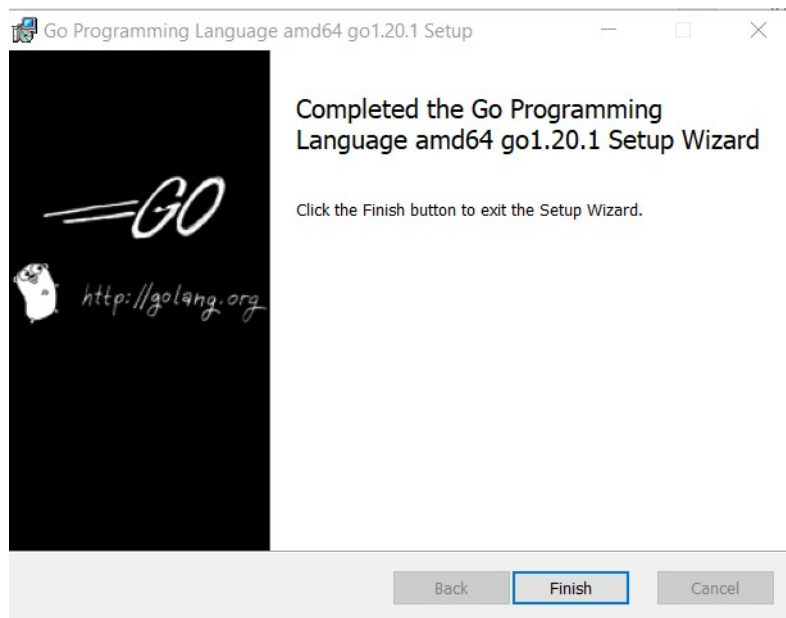1. Go to the website https://go.dev/



2. Press the **Download** button
3. This page will show up.



4. Choose Microsoft if you have Microsoft or Apple if you have apple.
5. A .msi file will be downloaded so once you click on the .msi file this window will pop-up. Wait for gathering all the info and hit **next**

6. You will see this image when you are good to GO!



## 1.1 Hello World in GO

If you got up to here, Congratulations! Now we are going to build our first GO app!

1. Open the visual studio code a create a new file called HelloWorld.go

2. Just load the package main; after import the fmt package so you can print anything in the terminal and write everything in the main function see the output results.

```go
package main

import (
  "fmt"
)

func main() {
  fmt.Print("Hello World!")
}
```

Listing 1: Hello World Example

3. Go to your terminal and just type it in:

```
go run HelloWorld.go
```
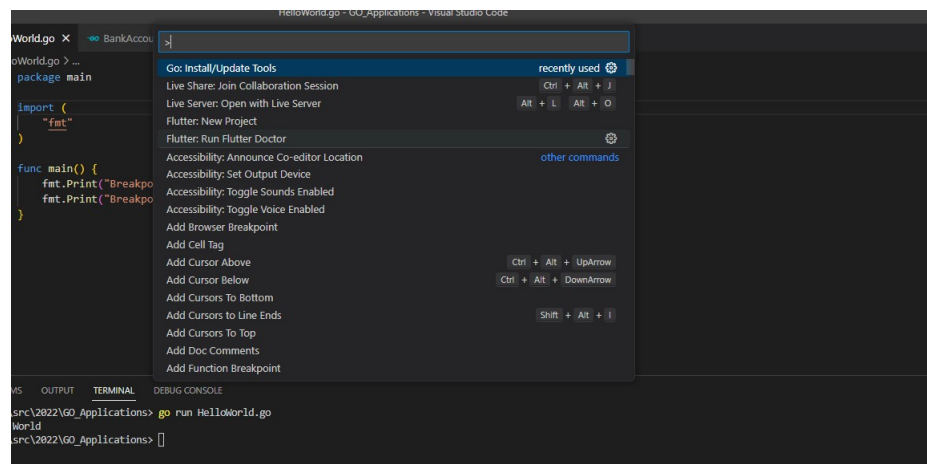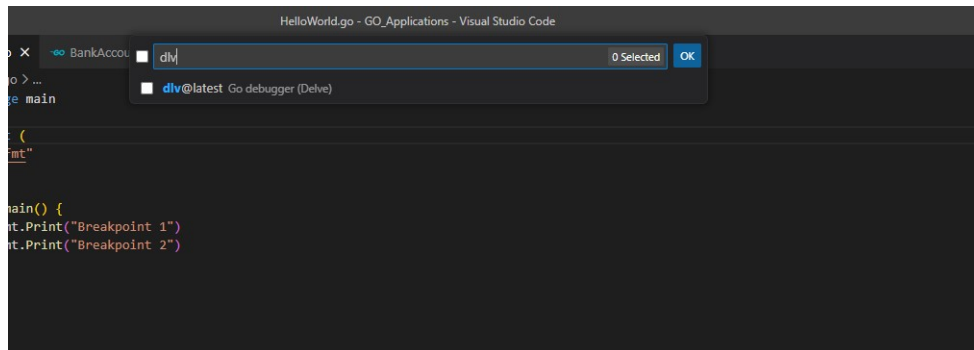
3. Now you should see this in your terminal.



## 1.2 Debugging In Go

1.To implemeng Debugging in GO, you can go to VS code and hit ctrl+Shift+P or Cmd+Shift+P(Mac), this bad should show up to you.



2. Now you need to choose Go: Install/Update tools if you can´t see type it in.
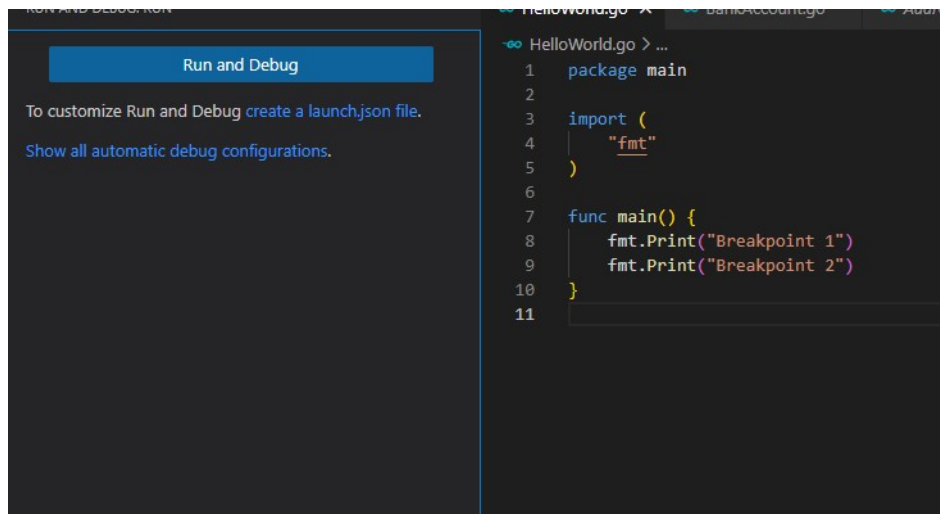
3. After, search for "dlv".

4. Now you are good to go when you see this message!



5.Now go to Run and Debug and create a Jason File.



6. After that Debugging is all set in GO.