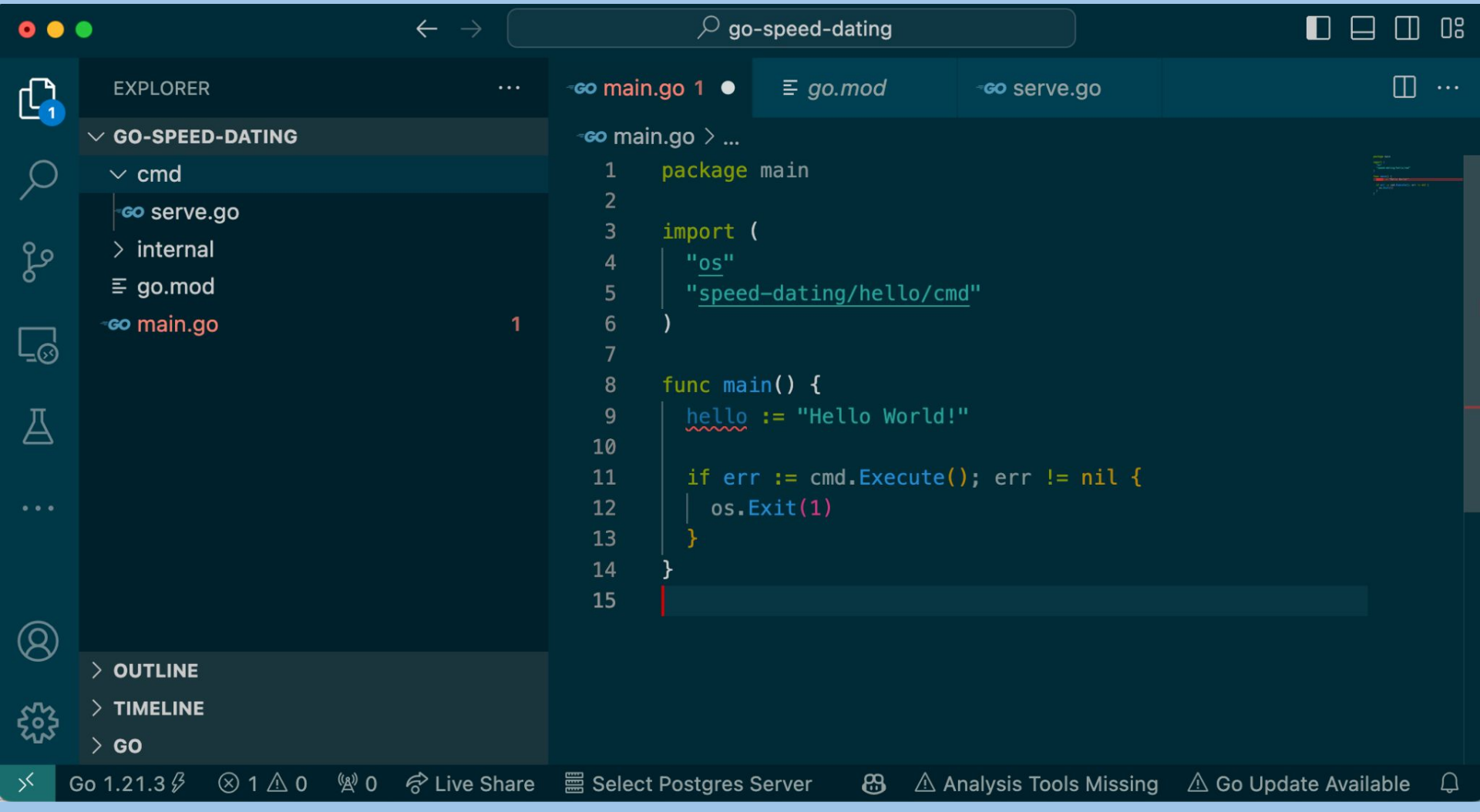
Go

Go

- similar to C
- compiled
- statically typed


go-speed-dating
EXPLORER
GO-SPEED-DATING
cmd
serve.go
internal
go.mod
main.go 1
OUTLINE
TIMELINE
GO
main.go 1
go.mod
serve.go
main.go > ...
1 package main
2
3 import (
4 "os"
5 "speed-dating/hello/cmd"
6)
7
8 func main() {
9 hello := "Hello World!"
10
11 if err := cmd.Execute(); err != nil {
12 os.Exit(1)
13 }
14 }
15
Go 1.21.3
1 0
0
Live Share
Select Postgres Server
Analysis Tools Missing
Go Update Available

func Printf

```
func Printf(format string, a ...any) (n int, err error)
```

Printf formats according to a format specifier and writes to standard output. It returns the number of bytes written and any write error encountered.

▶ Example

Go Proverbs

Simple, Poetic, Pithy

Don't communicate by sharing memory, share memory by communicating.

Concurrency is not parallelism.

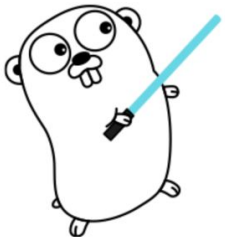
Channels orchestrate; mutexes serialize.

The bigger the interface, the weaker the abstraction.

Make the zero value useful.

interface{} says nothing.

Gofmt's style is no one's favorite, yet gofmt is everyone's favorite.



A little copying is better than a little dependency.

Syscall must always be guarded with build tags.

Cgo must always be guarded with build tags.

Cgo is not Go.

With the unsafe package there are no guarantees.

Clear is better than clever.

Reflection is never clear.

Errors are values.

Don't just check errors, handle them gracefully.

Design the architecture, name the components, document the details.

Documentation is for users.

https://go-proverbs.github.io/

Community

Links

GopherCon Europe
Women Who Go
Tutorial: Get started with Go