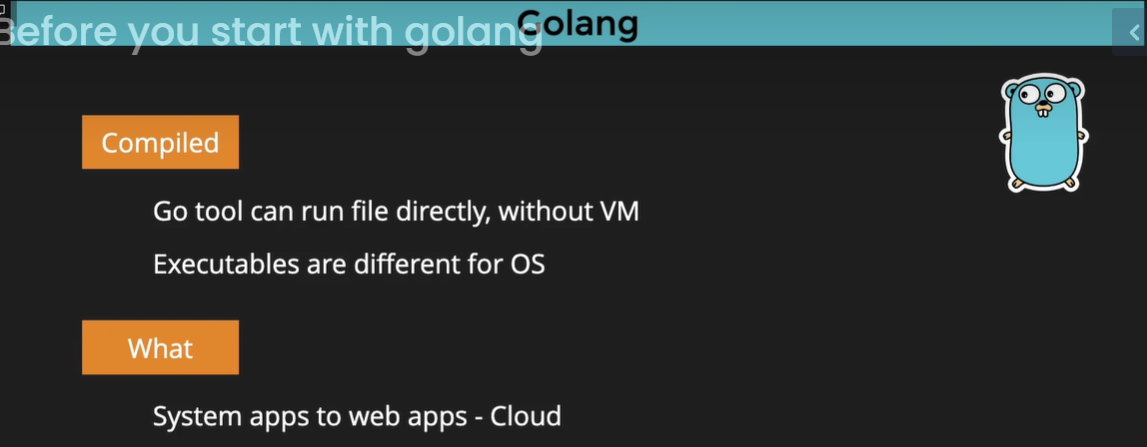
Go

Gophers Password: Raya@123

Next gen programming language --- C is present era so powerful

To utilize the true power of cloud infrastructure and already in production.



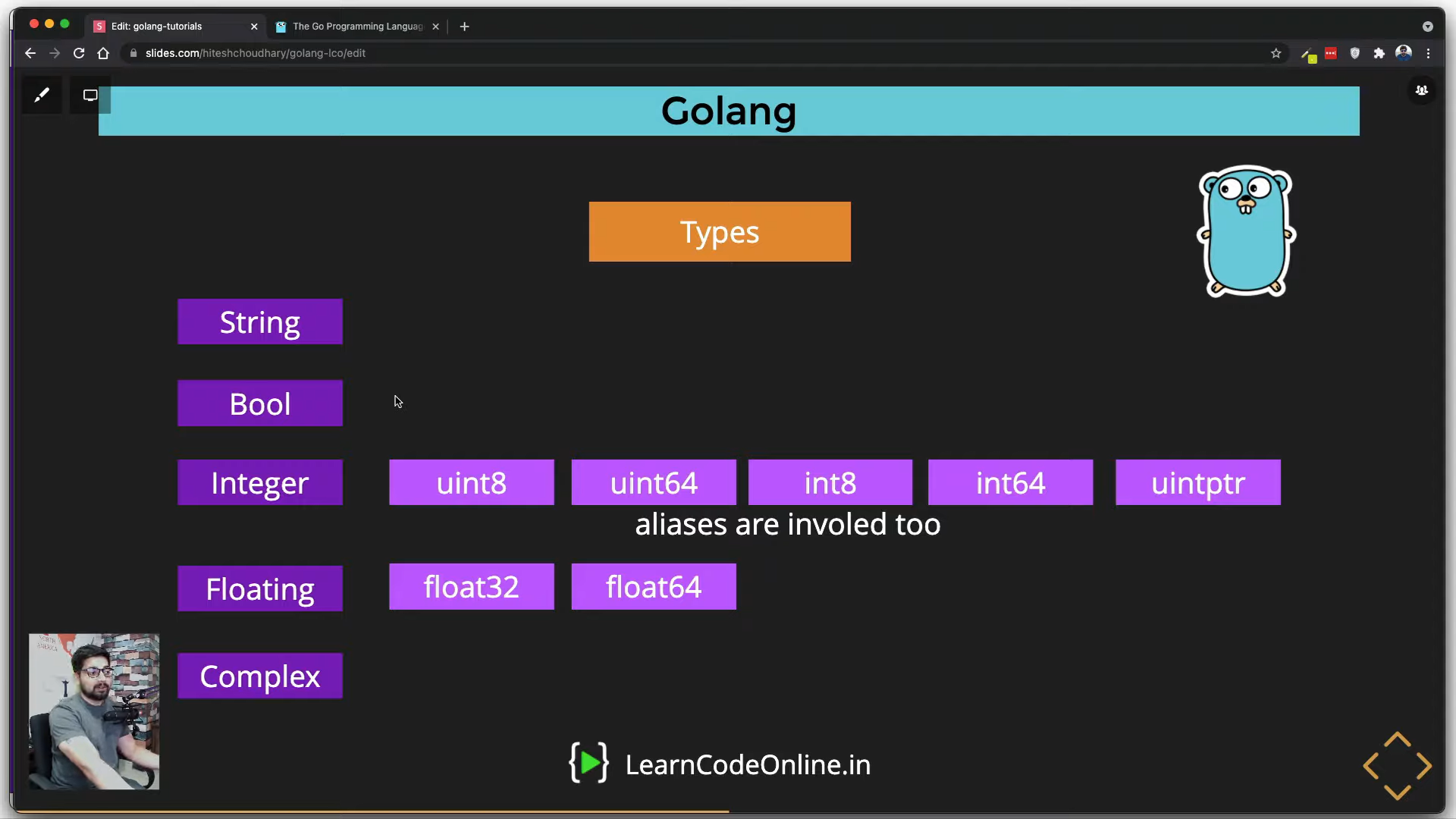
Already in production

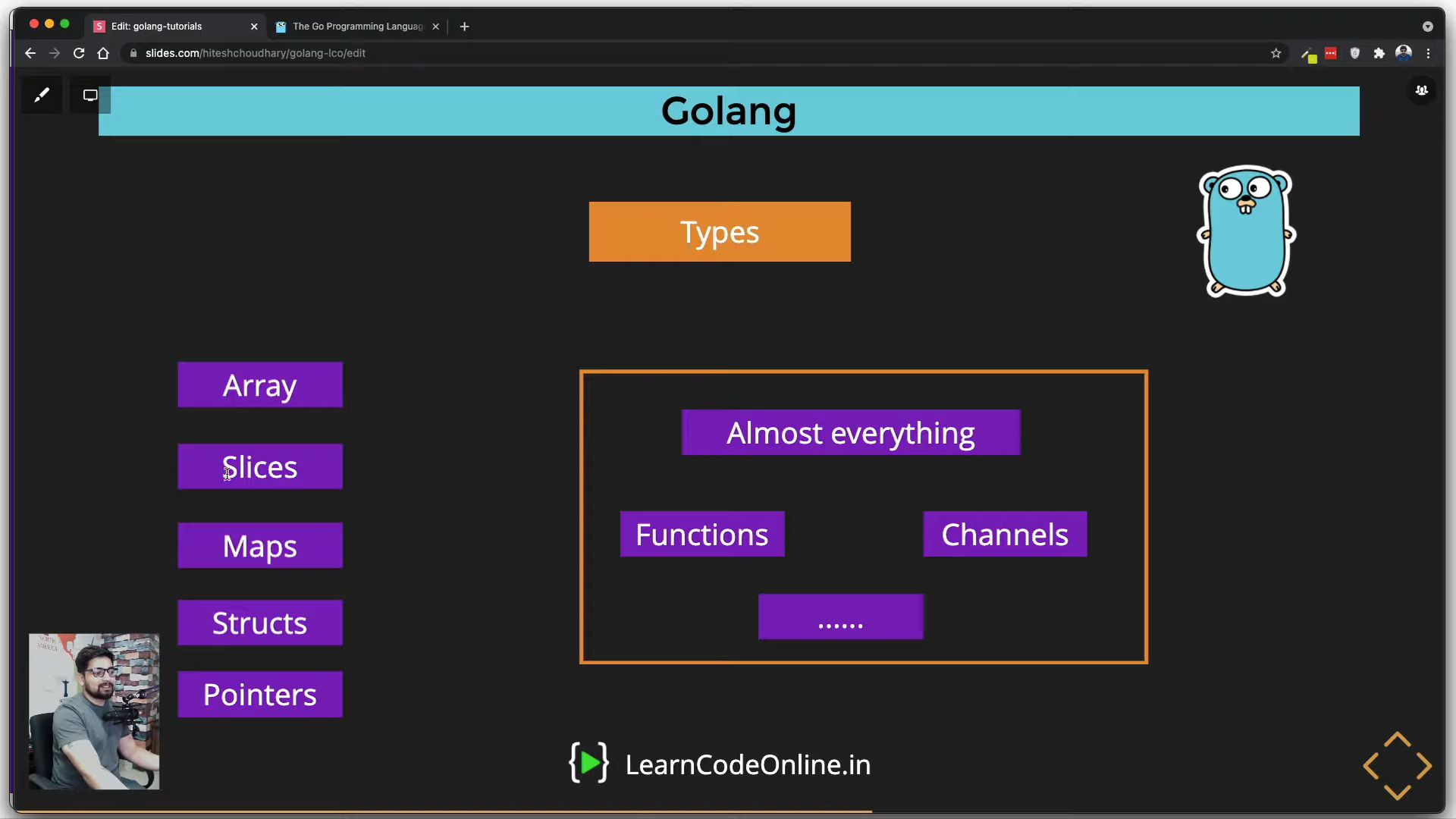
Go help, go help run, go help gopath, go env GOPATH, go help gopath

The src directory holds source code. The path below src determines the import path or executable name.

The pkg directory holds installed package objects.As in the Go tree, each target operating system and architecture pair has its own subdirectory of pkg (pkg/GOOS\_GOARCH).

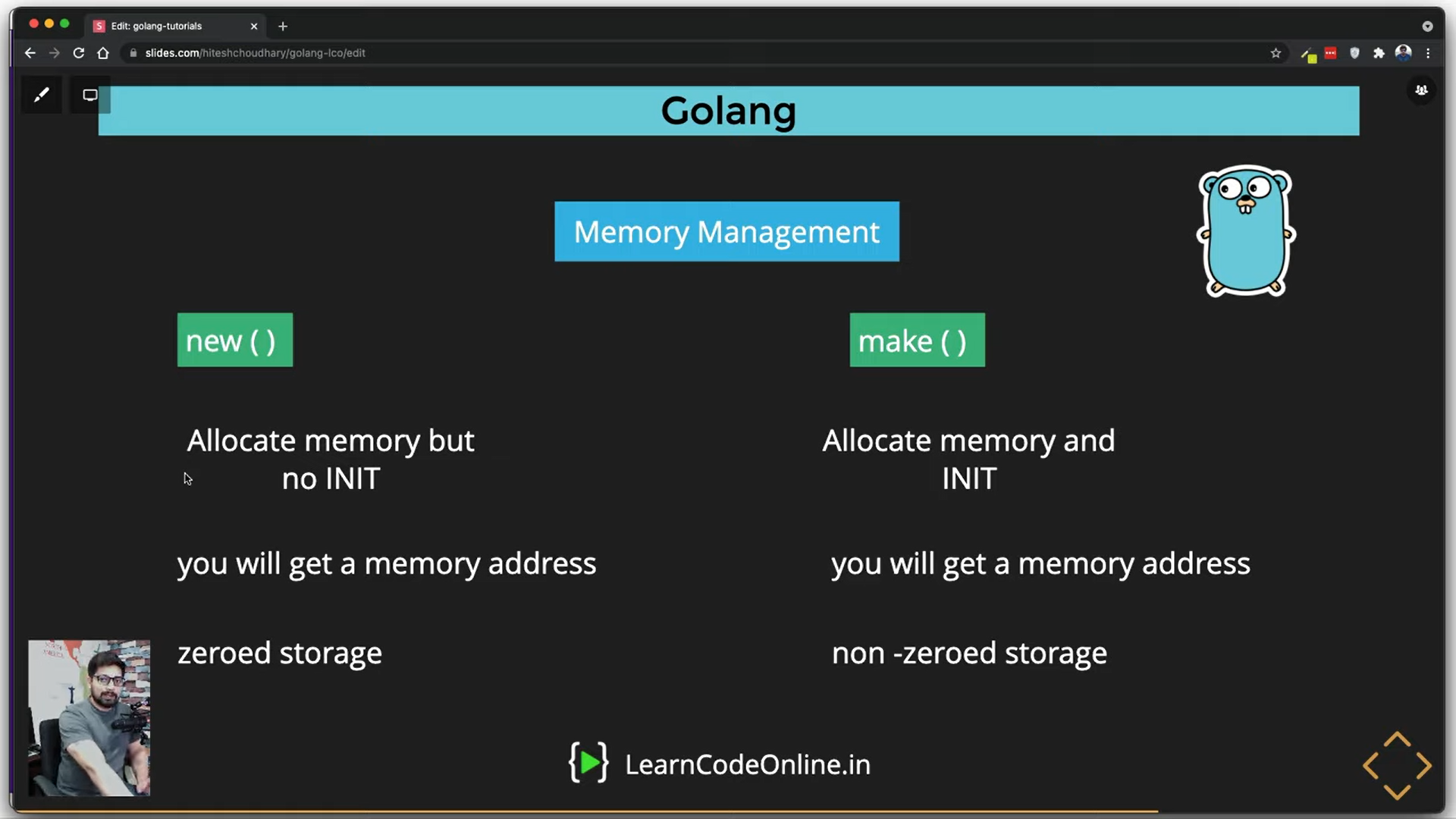
Lexer: Before pre compilation make sure you following the rules in any language



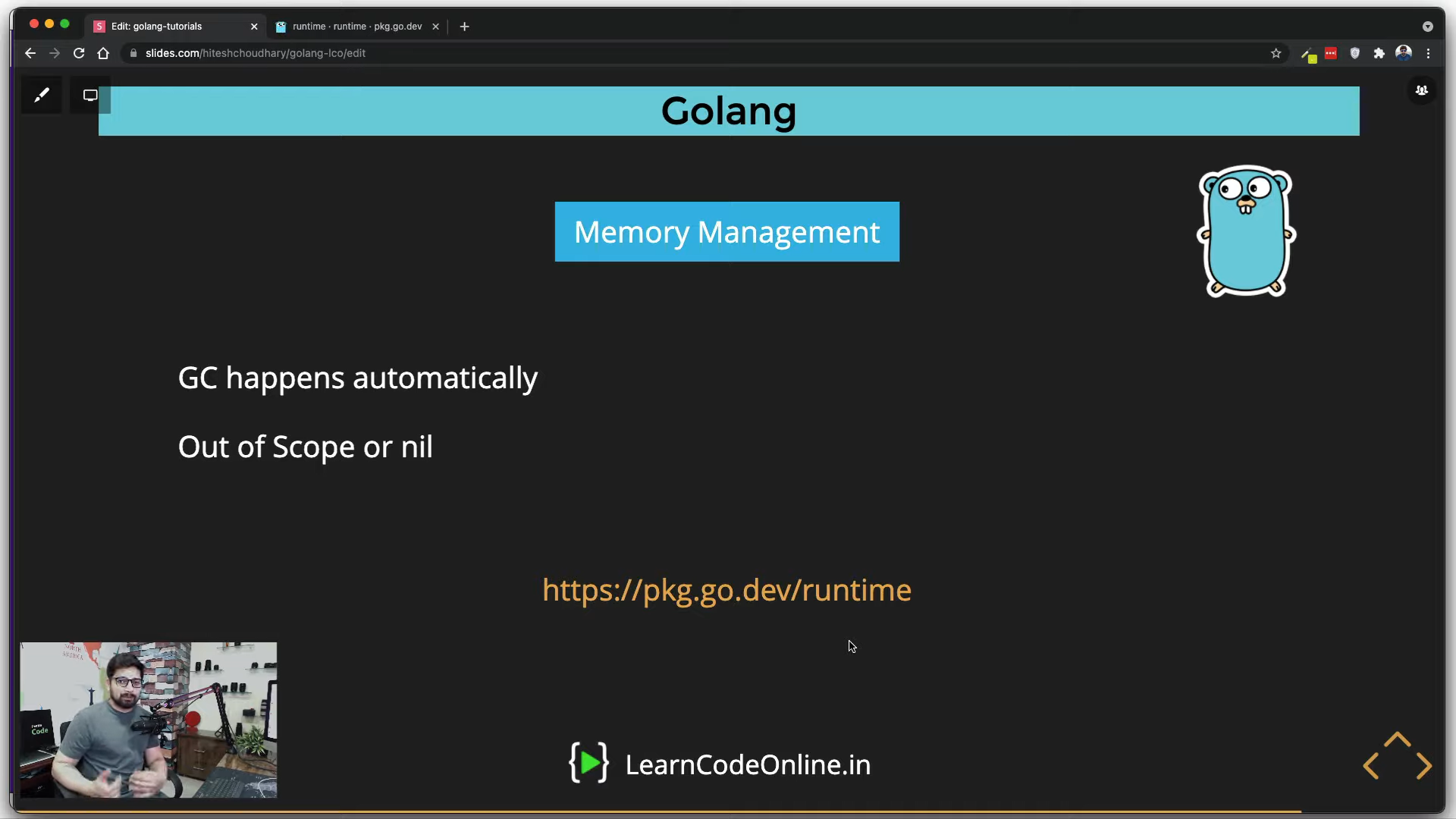


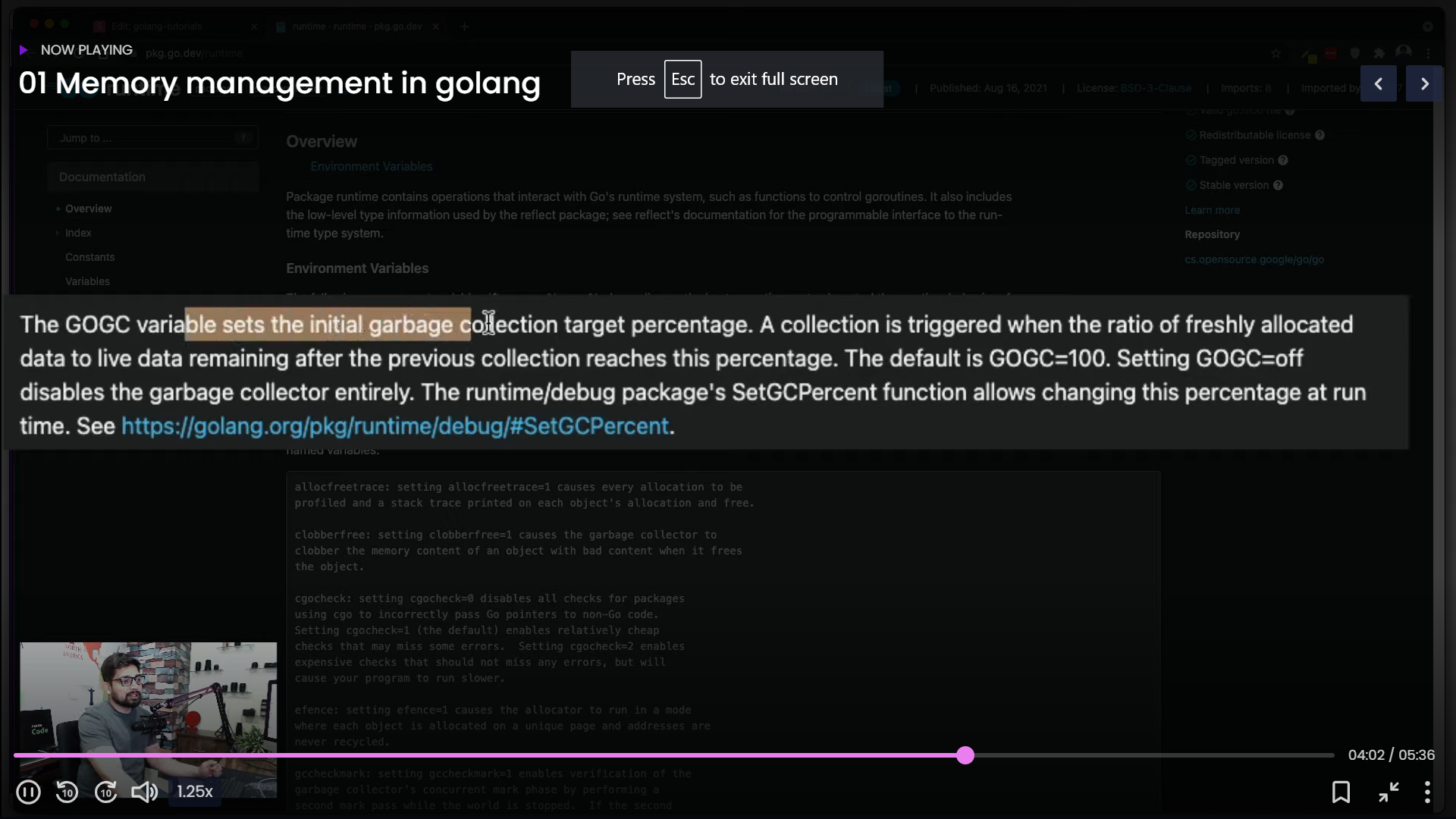
GOOS=”windows” go build == we can build for other oS too (GO EVN)

Memory Management:

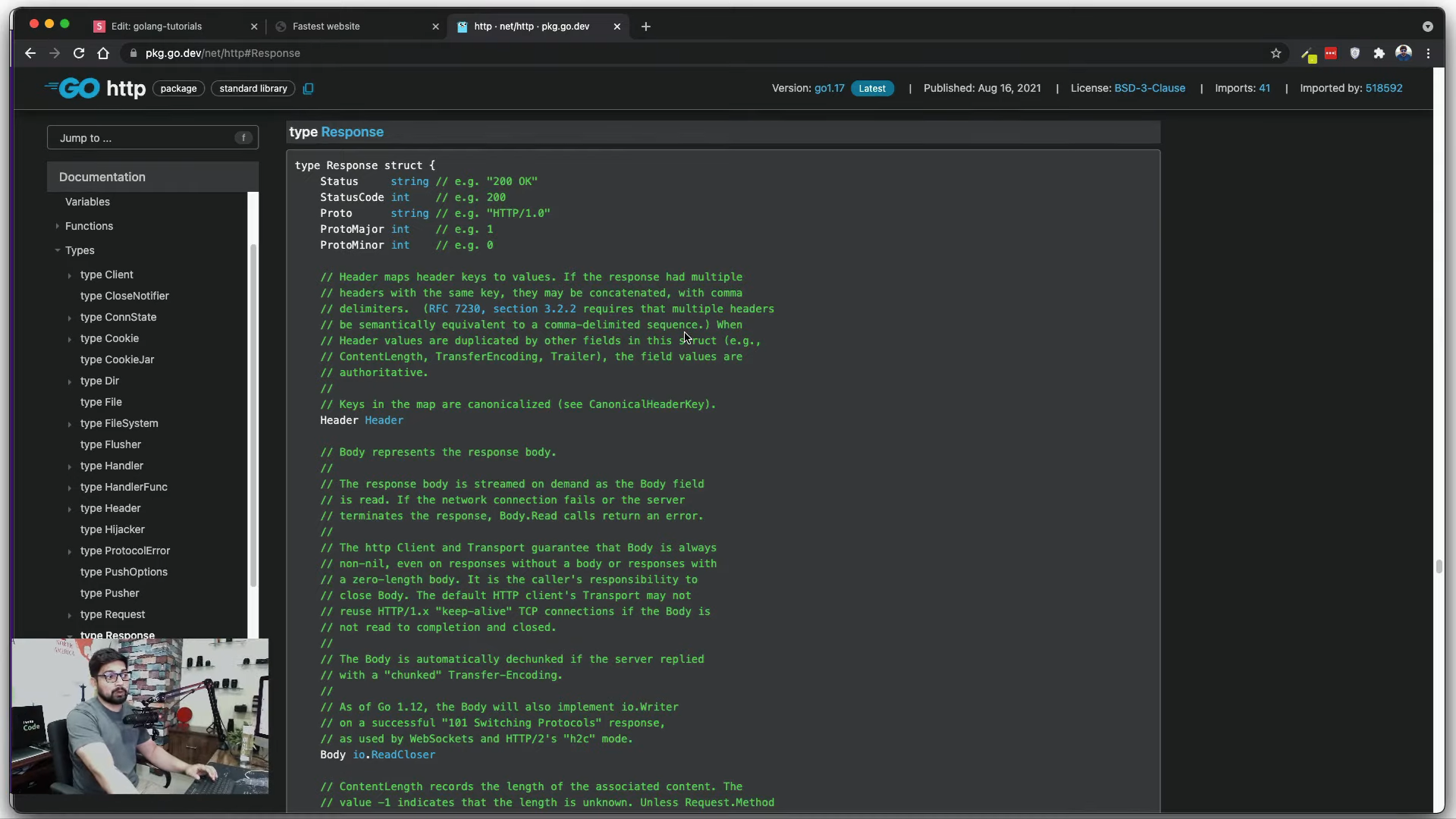


Garbage collection : we can turnoff gc by GOGC=off





WEB: http



Response struct full info of it.

<https://go.dev/blog/using-go-modules> --- from workspace to modules kind of

indirect --- main will not using this file once you start using will become direct. We have to use go mod tidy after using it. Then only this will changed to direct and disappear with error.

go sum file --- man In the middle attack. There is hash assoiced with every repository if anything changes in this special version.all

C:\Users\USER\go\pkg\mod -🡪 catche path where all libraries and packages will be present.

Go mod verify – all modules are verified. From the hashes in go.sum

Go list --- all modules dependency by the application

go list -m all – list all using our by our application

go list -m -versions github.com/gorilla/mux == enquire all the versions available.

github.com/gorilla/mux v1.2.0 v1.3.0 v1.4.0 v1.5.0 v1.6.0 v1.6.1 v1.6.2 v1.7.0 v1.7.1 v1.7.2 v1.7.3 v1.7.4 v1.8.0

go mod tidy-- remove unused modules from the application.

Go mod why github.com/gorilla/mux – gives the dependency across each one of them.

Go mod graph – pullup all the graph of dependencies.

Go mod edit –go 1.16 --- to the mod file. (never edit directly.)

Go mod vendor – production share not from web instead it is local folder created and use it.