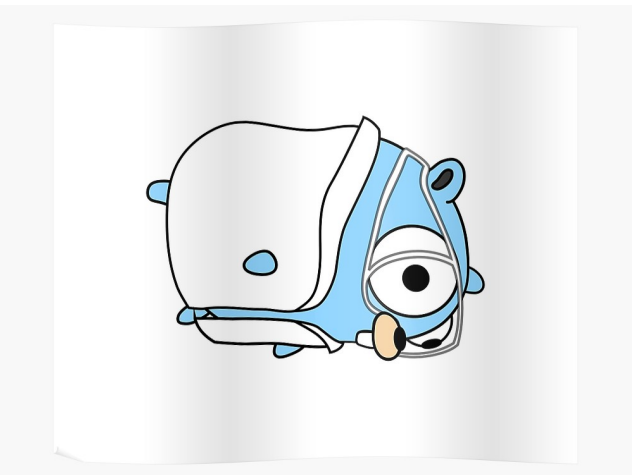




The Big Fat Golang Quizz

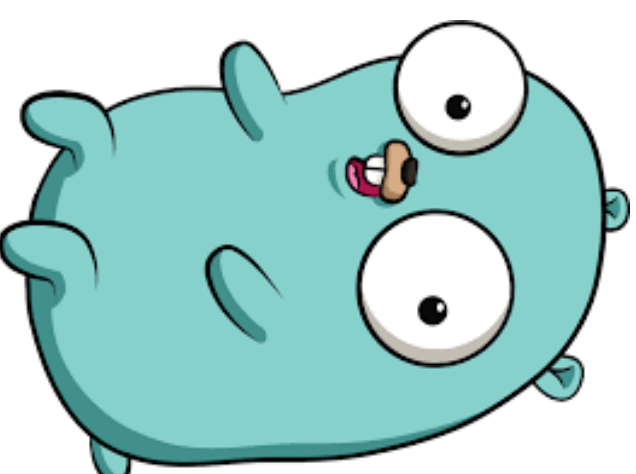
Quiz on the The Factual

- Go Code
- Go Internals



The Fun

- Questions you probably don't know the answer of
- ...but maybe you can find it!



LET'S GO!



GO LAB

Eyes on the prize!

Question 1 / Points 3

Two of the original Creators of the Go Programming Language are Rob Pike and Ken Thompson. What else have those two guys invented together?

** cue: we use it every day.*

```
package main

import "fmt"

func parentFunc() func() {
    fmt.Println("in parentFunc ")
    return func() {
        fmt.Println("in childFunc")
    }
}

func main() {
    fmt.Println("1")
    defer parentFunc()()
    fmt.Println("2")
}
```

Question 2 / Points 5

What would the following code print?

- A. 1 -> in parentFunc -> 2 -> in childFunc
- B. 1 -> 2 -> in parentFunc -> in childFunc
- C. 1 -> 2 -> in childFunc

Question 3 / Points 3

An often used idiom in programming is a hashmap where the presence of a key is more important than the value.

In Golang, we have two similar options to express it:

`map[string]bool` or `map[string]struct{}`.

Which one is faster to manipulate?

A. `map[string]bool` B. `map[string]struct{}` C. equivalent

Question 4 / Points 3

What is the most starred Golang repository on Github?

5 minute timebox - all tools allowed question!



```

package main

import "fmt"

func sliceYolo(yoloSlice []string) {
    yoloSlice = append(yoloSlice, "we", "yolo")
}

func mapYolo(yoloMap map[string]string) {
    yoloMap["we"] = "yolo"
}

func main() {
    yoloMap := map[string]string{
        "i": "yolo",
    }
    yoloSlice := []string{"i", "yolo"}
    sliceYolo(yoloSlice)
    fmt.Printf("\nSlice is ->>>>    %v\n\n", yoloSlice)
    mapYolo(yoloMap)
    fmt.Printf("\nMap is ->>>>    %v\n\n", yoloMap)
}

```

Question 5 / Points 5

What would the printed values be?

- A. [i yolo we yolo] map[i:yolo we:yolo]
- B. [i yolo] map[i:yolo]
- C. [i yolo] map[i:yolo we:yolo]
- D. [i yolo we yolo] map[i:yolo]

Question 6 / Points 3

We love goroutines! Spawning a goroutine often involves an allocation - what is the initial memory size of the goroutine stack?

- A. 2kb
- B. 8kb
- C. 16kb
- D. 32kb

Bonus - Has it always been that value?
Explain.

Question 7 / Points 3

In the most reputable and scientific source of information on the internet - The Stackoverflow Developer survey, the Go Programming Language is the 8th most loved programming language. Could you name 4 of the 8 that are more loved than it?

*** Bonus point for all 8**

```
package main

import "fmt"

func isTrue(notTrue bool) (true bool) {
    true = false
    notTrue = true
    return notTrue
}

func main() {
    fmt.Println(isTrue(true))
}
```

Question 8 / Points 5

What would be printed?

- A. true
- B. false
- C. does not compile
- D. No idea what's going on

Question 9 / Points 3

The Golang language embraces camelCase for text style. What other programming language text cases do you know of? List them all!

```
import (
    "fmt"
)

func main() {
    var bytes *byte
    var interass interface{}

    fmt.Println(bytes == nil)
    interass = bytes
    fmt.Println(interass == nil)
}

// Bonus
poop := "💩"
fmt.Println(len(poop))
}
```

Bonus / Points 4

What would the following code print?

- A. true -> true
- B. true -> false
- C. false -> true
- D. false -> false

* Bonus length of poop emoji?

COUNTING THE VOTES



Florence, here we come!

THE
END