Golang

Variable

```
var i int // declaration var i = \frac{1}{2} // declaration et initialisation k := \frac{3}{2} // declaration et initialisation dans une fonction
```

Type

```
(X = [8, 16, 32, 64]
uintX     unsigned X-bit integers (0 to 2^X-1)
intX     signed X-bit integers (-2^(X-1) to 2^(X-1))
( X = [32, 64])
floatX     IEEE-754 X-bit floating-point numbers
( X = [64, 128])
complexX     complex numbers with float(X/2) real and imaginary parts
byte     alias for uint8
rune     alias for int32
```

Tableau / Slice

```
package main
import "fmt"
func main() {
    primes := [6]int{2, 3, 5, 7, 11, 13} // Tableau (n = 6)
    var s []int = primes[1:4] // Slice (n = ?)
    fmt.Println(s)
}
```

Мар

Structure

```
type Person struct {
  name   string
  email   string
  age   uint8
}
```

Goroutine et channel

```
func main() {
  go func() {fmt.Println("I am in a goroutine")}()
}
```

Avec des channels pour synchroniser

Avec channel avec tampon (plusieur valeur possible)