Codificação de Programas em Go

```
// ALG01
                                              // ALG07
package main
                                              package main
import "fmt"
                                              import ("fmt"; "bufio"; "os")
func main() {
                                              func main() {
 fmt.Println("Bom dia")
                                               reader := bufio.NewReader(os.Stdin)
                                                text, _ := reader.ReadString('\n')
var X int
// ALG02
                                                fmt.Sscanf(text, "%d", &X)
                                                text, _ = reader.ReadString('\n')
package main
import ("fmt"; "bufio"; "os")
                                                var Y int
                                                fmt.Sscanf(text, "%d", &Y)
func main() {
 reader := bufio.NewReader(os.Stdin)
                                                if X > 100 {
  text, _ := reader.ReadString('\n')
                                                  Z := X + Y
 var X int
                                                  fmt.Printf("%d\n", Z)
 fmt.Sscanf(text, "%d", &X)
                                                }
                                              }
 fmt.Printf("%d\n", X)
                                              // ALG08
// ALG03
                                              package main
package main
                                              import ("fmt"; "bufio"; "os")
import ("fmt"; "bufio"; "os")
                                              func main() {
                                               reader := bufio.NewReader(os.Stdin)
func main() {
                                               text, _ := reader.ReadString('\n')
 reader := bufio.NewReader(os.Stdin)
         := reader.ReadString('\n')
                                                var X int
 var X int
                                                fmt.Sscanf(text, "%d", &X)
 fmt.Sscanf(text, "%d", &X)
                                                text, _ = reader.ReadString('\n')
  Y := X * X
                                                var Y int
  fmt.Printf("%d\n", Y)
                                                fmt.Sscanf(text, "%d", &Y)
}
                                                if X <= Y {
                                                  fmt.Printf("%d\n", X)
// ALG04
                                                } else {
                                                  fmt.Printf("%d\n", Y)
package main
import ("fmt"; "bufio"; "os")
                                              }
func main() {
  reader := bufio.NewReader(os.Stdin)
                                              // ALG09
  text, _ := reader.ReadString('\n')
  var X int
                                              package main
  fmt.Sscanf(text, "%d", &X)
                                              import ("fmt"; "bufio"; "os")
  text, _ = reader.ReadString('\n')
                                             func main() {
  var Y int
                                               reader := bufio.NewReader(os.Stdin)
                                                text, _ := reader.ReadString('\n')
var X int
  fmt.Sscanf(text, "%d", &Y)
 Z := X + Y
 fmt.Printf("%d\n", Z)
                                                fmt.Sscanf(text, "%d", &X)
}
                                                var Y int
                                                if X >= 10 {
// ALG05
                                                  Y = X * X
package main
                                                } else {
                                                  Y = X * X * X
import ("fmt"; "bufio"; "os")
func main() {
 reader := bufio.NewReader(os.Stdin)
                                                fmt.Printf("%d\n", Y)
  text, _ := reader.ReadString('\n')
                                              }
  var X int
  fmt.Sscanf(text, "%d", &X)
                                              // ALG10
  text, _ = reader.ReadString('\n')
                                             package main
  var Y int
                                              import ("fmt"; "bufio"; "os")
 fmt.Sscanf(text, "%d", &Y)
                                              func main() {
 Z := X*X + Y*Y
                                               reader := bufio.NewReader(os.Stdin)
  fmt.Printf("%d\n", Z)
                                                text, _ := reader.ReadString('\n')
                                                var X int
                                                \texttt{fmt.Sscanf}(\texttt{text}, \ \texttt{"} \texttt{ `d"}, \ \texttt{ \&X})
// ALG06
                                                text, _ = reader.ReadString('\n')
                                                var Y int
package main
import ("fmt"; "bufio"; "os")
                                                fmt.Sscanf(text, "%d", &Y)
func main() {
                                                var N1 int
 reader := bufio.NewReader(os.Stdin)
                                                var N2 int
                                                if X > Y {
  text, _ := reader.ReadString('\n')
                                                 N1 = Y
  var X int
  fmt.Sscanf(text, "%d", &X)
                                                 N2 = X
                                                } else {
  if X > 100 {
   fmt.Printf("%d\n", X)
                                                  N1 = X
}
                                                fmt.Printf("%d\n", N1)
                                                fmt.Printf("%d\n", N2)
```

Codificação de Programas em Go

```
// ALG11
package main import "fmt"
func main() {
 X := 0
  for I := 1; I <= 10; I++ {
   fmt.Printf("%d\n", X)
    X += 2
}
// ALG12
package main import "fmt"
func main() {
  x := 1
  for I := 1; I <= 10; I++ {
    fmt.Printf("%d\n", X)
    x *= 2
}
```