

Variables



GO



golang : Variables [1]

create main.go in folder chapter4-1 : Long Declaration

```
package main

import "fmt"

func main() {
    // Long Declaration
    var x string = "Hello, World"
    fmt.Println(x)

    var y string
    y = "Hello, World"
    fmt.Println(y)
}
```

run -> no error -> push to your git repository



golang : Variables [2]

create main.go in folder chapter4-1 : **Short Declaration**

```
package main

import "fmt"

func main() {
    // Long Declaration
    ...
    // Short Declaration
    // Type Inference
    z := "Hello, World"
    fmt.Println(z)
    fmt.Printf("Type: %T\n", z)
}
```

run -> no error -> push to your git repository



golang : Variables [3]

create main.go in folder chapter4-1 : **Constance Declaration**

```
package main

import "fmt"

func main() {
    // Long Declaration
    ...
    // Short Declaration
    ...
    // Constance Declaration
    const xx string = "Hello, World"
    //xx = "Other string"
}
```

run -> no error -> push to your git repository



golang : Variables [4]

create main.go in folder chapter4-1 : **Multiple Variables**

```
package main

import "fmt"

func main() {
    // Constance Declaration
    // Multiple Variables
    fmt.Println("\nDefine Multiple Variables")
    var (
        a = 5
        b = 10
        c = 15
    )
    println(a, b, c)
}
```

run -> no error -> push to your git repository



golang : Variables [5]

create main.go in folder chapter4-1 : **Swapping variable**

```
package main

import "fmt"

func main() {
    /*
    // Multiple Variables
    */
    /*
    // Swapping variable
    */
    fmt.Println("\nSwapping variable")
    foo, bar := 1, 2
    fmt.Println(foo, bar)
    foo, bar = bar, foo
    fmt.Println(foo, bar)
}
```

run -> no error -> push to your git repository



golang : Variables [7]

create main.go in folder chapter4-2 :

```
package main

import "fmt"

func main() {
    fmt.Print("Enter a number: ")
    var input float64
    fmt.Scanf("%f", &input)
    output := input * 2
    fmt.Println(output)
}
```

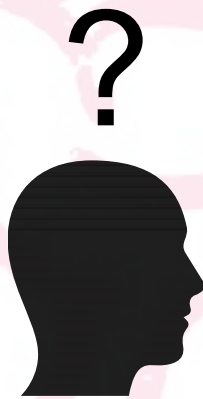
run -> no error -> push to your git repository



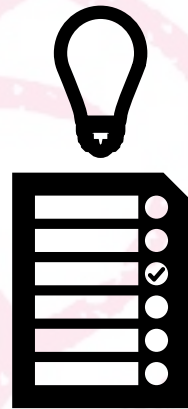
Exercise

Modify main.go in folder chapter4-2 for solve

Problem No.5 of Chapter 4 :



1



2



3



4

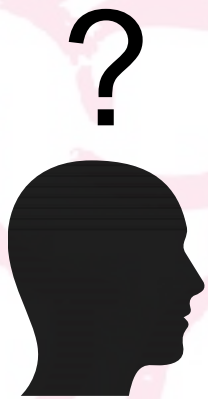
run -> no error -> push to your git repository



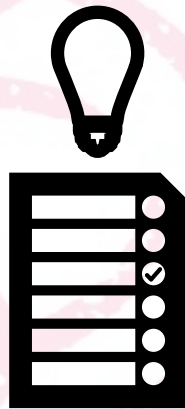
Exercise

Create main.go in folder chapter4-3 for solve

Problem No.6 of Chapter 4 :



1



2



3



4

run -> no error -> push to your git repository

