**Importing package:**

import "fmt"

import "math"

or

import(

"fmt"

"math"

"github.com/mlowicki/package\_name" //importing custom package

)

**first.go:**

package main //represents that the file belongs to main package

import "fmt" //import a package named fmt that contains ‘println’ method

func main(){

fmt.Println("This is Go Program")

}

package main

import(

"fmt"

m "math"

)

func main(){

fmt.Println(m.Pow(6, 2))

}

package main

import (

"fmt"

. "math"

)

func main() {

r := math.Pow(-6, 2)

fmt.Println("example of dot import:", r)

}

**fact.go:**

//fact.go

package factFib

func Factorial(num int)int{

if num > 1 {

return num \* Factorial(num-1)

} else {

return 1

}

}

**fib.go:**

// fib.go

package factFib

import "fmt"

func Fibonacci(num int){

f1 := 0

f2 := 1

nextnum := 0

for i := 1; i <= num; i++ {

fmt.Println(f1)

nextnum = f1 + f2

f1 = f2

f2 = nextnum

}

}

// myprogram.go

package main //indicates this is an executable file

import "fmt"

import "custom\_package/factFib" //importing custom package ‘factFib’

func main(){

number := 10

fmt.Println(factFib.Factorial(number)) //calling exported function ‘Factorial’

fmt.Println("Fibonacci series is:")

factFib.Fibonacci(10) //calling exported function ‘Fibonacci’

}

**Nested package:**

// nestedfile.go

package nested\_package

import "fmt"

func Nested\_function(){

fmt.Println("Here is the example of nested package")

}

// myprogram.go

package main

import "custom\_package/factFib/nested\_package"

func main(){

nested\_package.Nested\_function() //prints ‘Here is the example of nested package’

}

**Circular import:**

// one/one.go

package one

import (

"fmt"

"custom\_package/circular\_import/two"

)

func One\_function(){

One\_val := "Variable of package one"

fmt.Println(One\_val)

two.Two\_function()

}

// two/two.go

package two

import (

"fmt"

"custom\_package/circular\_import/one"

)

func Two\_function(){

Two\_val := "Variable of package two"

fmt.Println(Two\_val)

}

// circularimport.go

package main

import (

"custom\_package/circular\_import/one"

)

func main(){

one.One\_function()

}

// one/one.go

package one

import (

"fmt"

// "custom\_package/circular\_import/two"

)

func One\_function(){

One\_val := "Variable of package one"

fmt.Println(One\_val)

Two\_function()

}

func Two\_function(){

Two\_val := "Variable of package two"

fmt.Println(Two\_val)

}