

# GO语言学习

## ch1

应用程序的入口

- 必须是main包 package main 错误示例如图1
- 必须是main方法 func main() 错误示例如图2
- 文件名字不需要是main.go

```
Mode                               LastWriteTime           Length Name
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-a-----                2023/3/7      23:29           113 hello.go

PS F:\go\go_learning\src\ch1\main> go run .\hello.go
package command-line-arguments is not a main package
runtime.main_main·f: function main is undeclared in the main package

PS F:\go\go_learning\src\ch1\main> go run "f:\go\go_learning\src\ch1\main\hello.go"
# command-line-arguments
runtime.main_main·f: function main is undeclared in the main package
```

main方法不能有返回值

一般通过 `os.Exit()` 来获得

```
func main() {
    fmt.Println("hello world")
    os.Exit(255)
}
```

获得命令行的参数

通过 `os.Args` 来获取命令行参数

```
func main() {
    fmt.Println(os.Args)
}
```

结果

```
PS F:\go\go_learning\src\ch1\main> go run .\hello.go zhao ←
[C:\Users\ASUS\AppData\Local\Temp\go-build1742670521\b001\exe\hello.exe zhao]
```

对命令行进行使用

```
func main() {  
    if len(os.Args) > 1 {  
        fmt.Println("hello world " + os.Args[1])  
    }  
}
```

```
PS F:\go\go_learning\src\ch1\main> go run .\hello.go hello_zhao  
hello world hello_zhao
```