

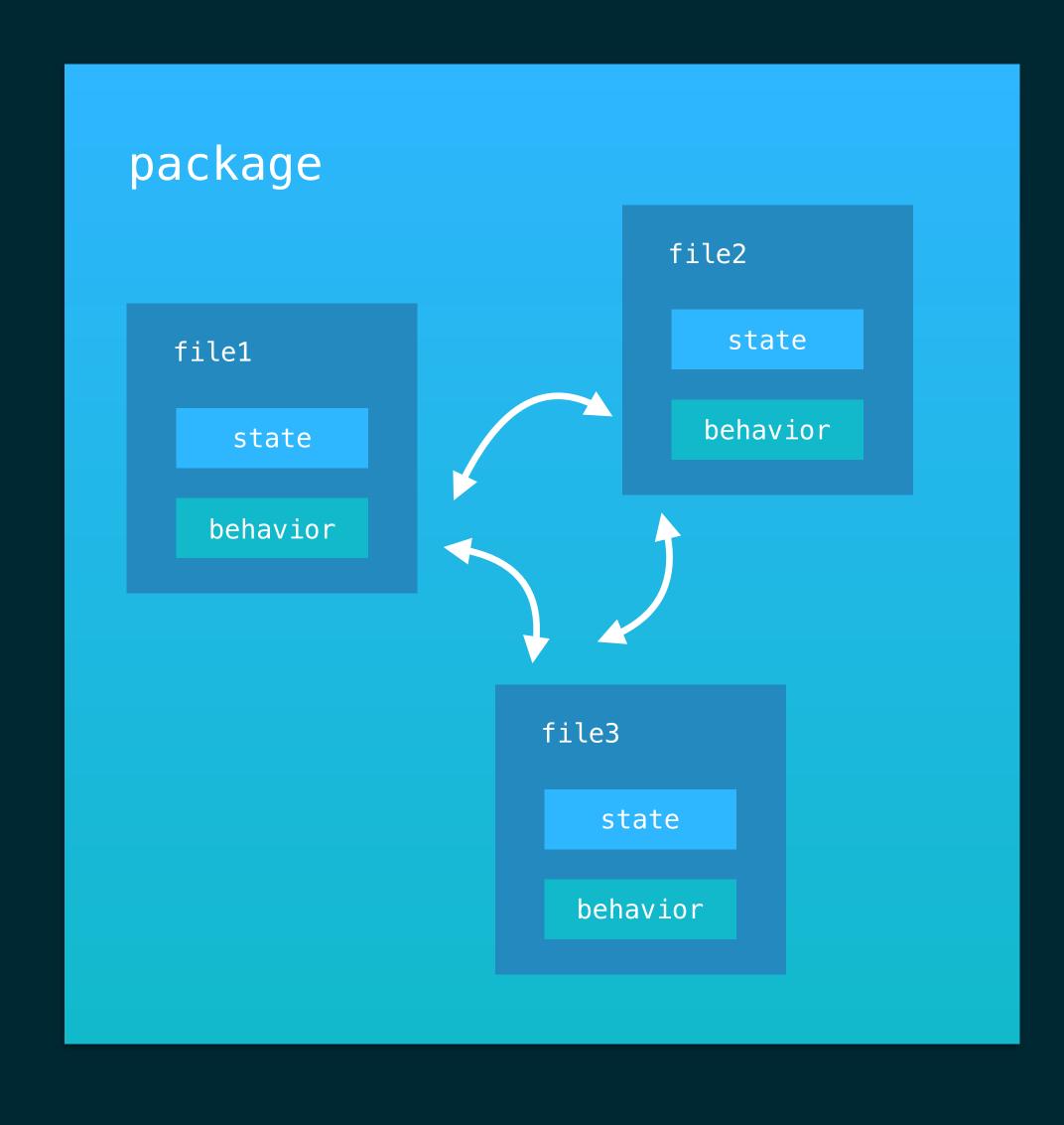
Go program anatomy

## PROGRAM LAYOUT

main.go

```
main
                                   REQUIRED
import (
  const ...
var ...
func init() {
  // initialize
func main() {
  // execute
```

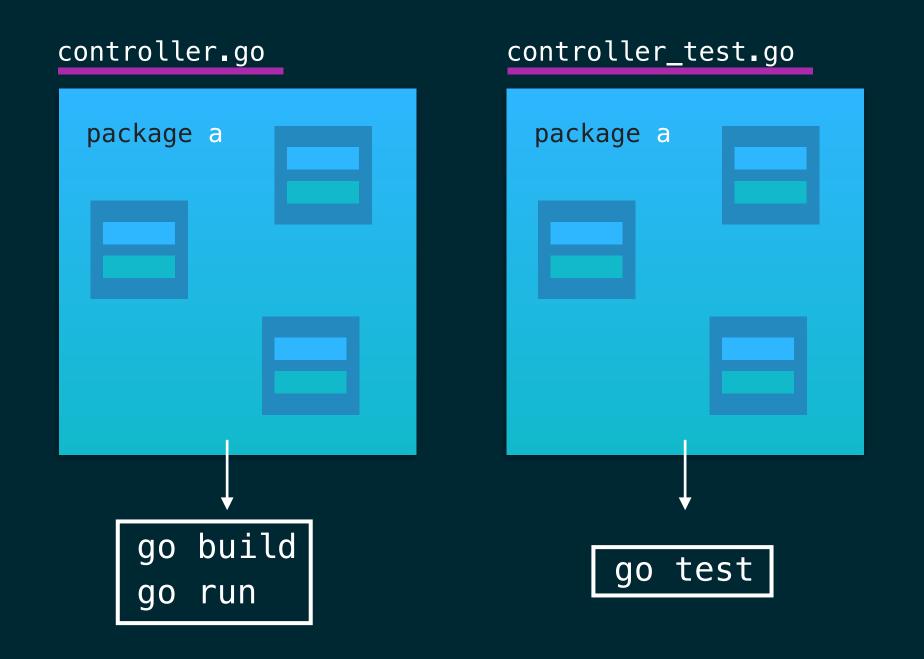
# PACKAGE ANATOMY



state

behavior

# FILE TYPES

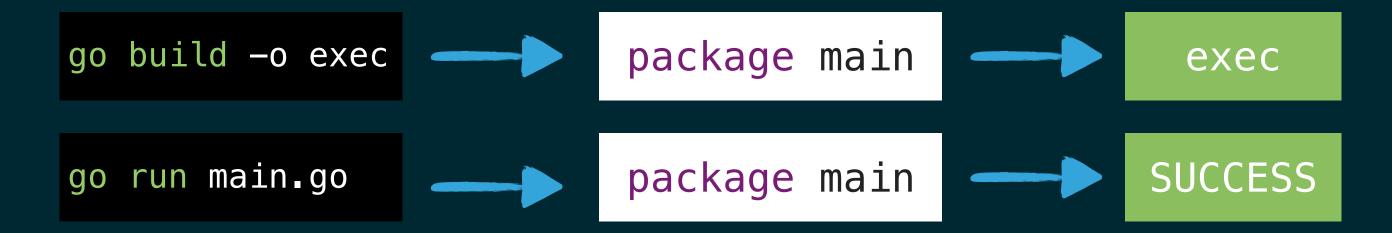


# GO PROGRAM

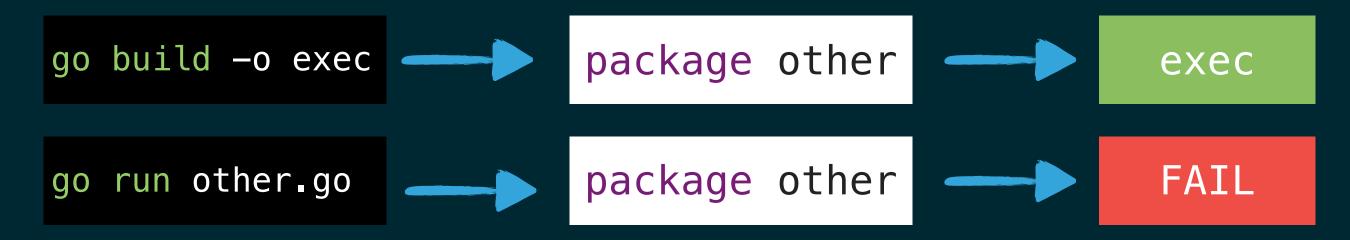


#### PACKAGE TYPES

#### executable (main)

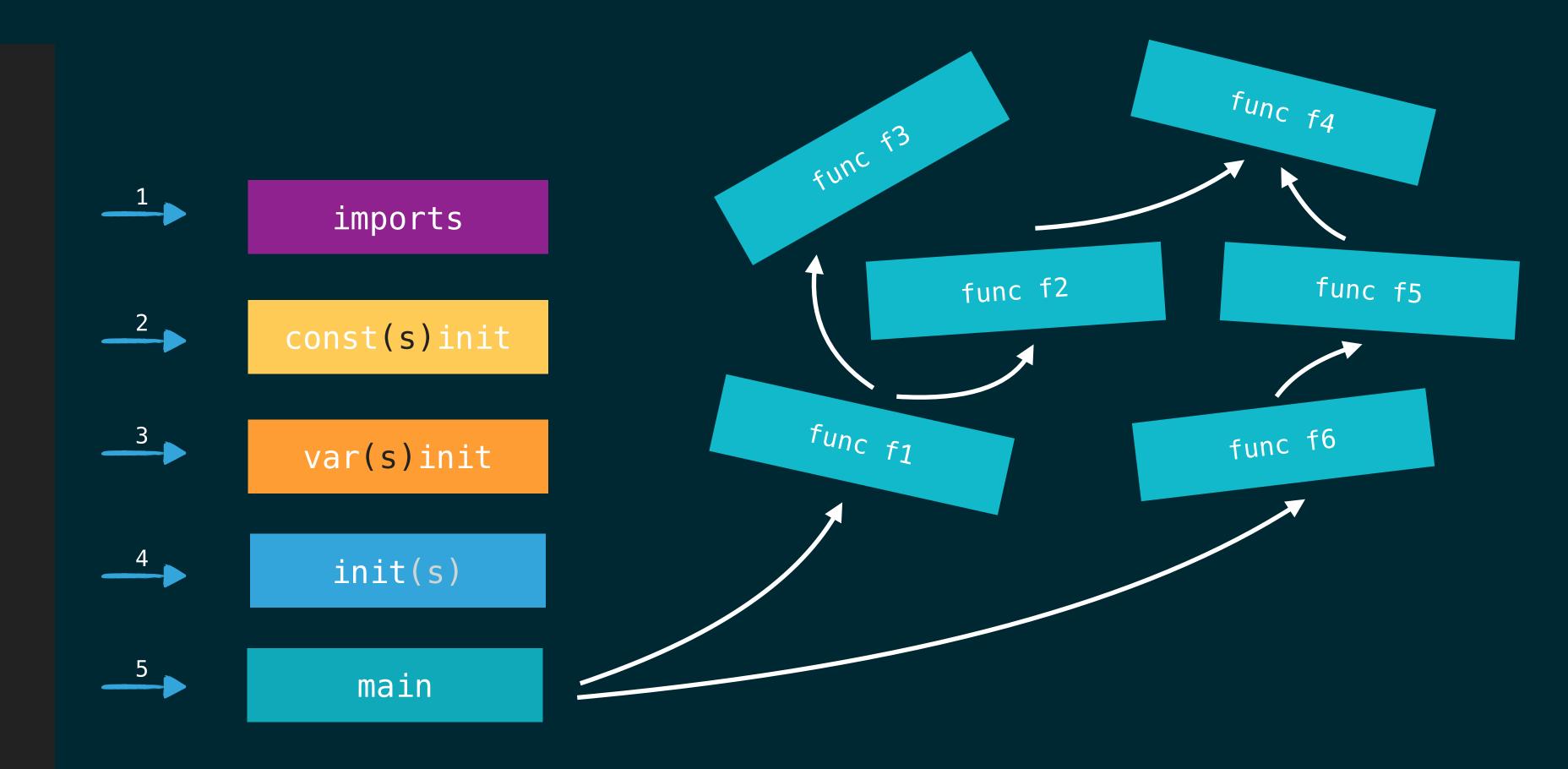


#### un executable (non main)

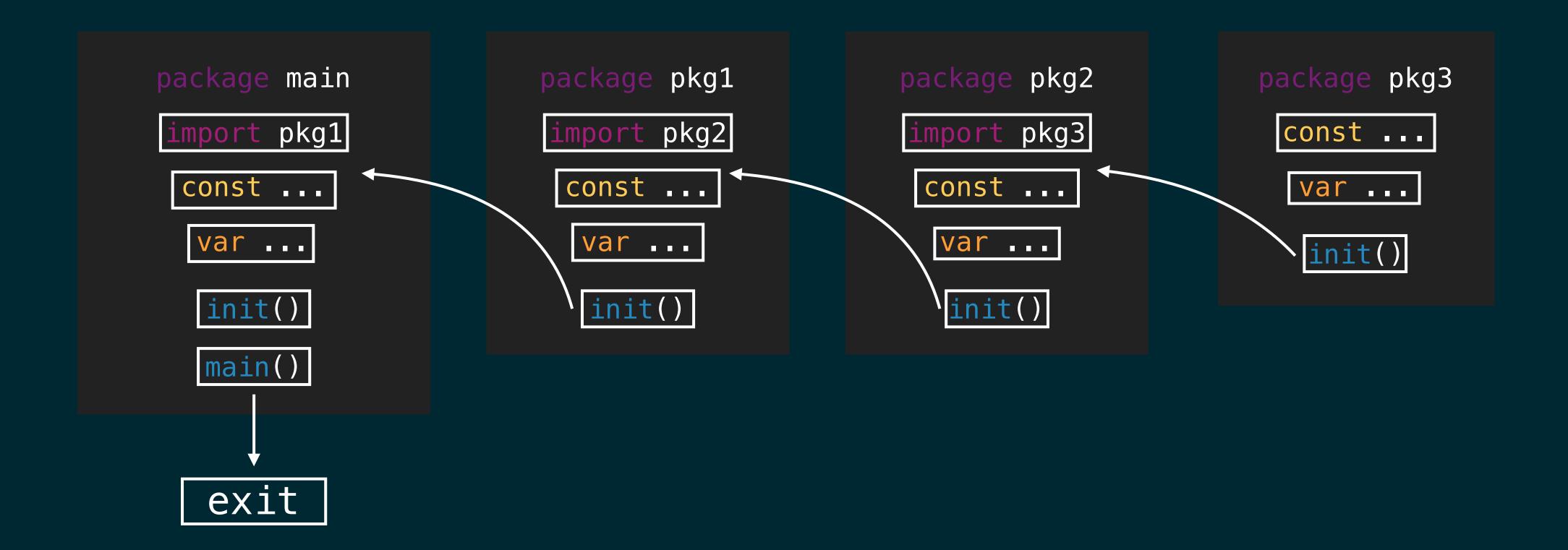


## PROGRAM LIFECYCLE

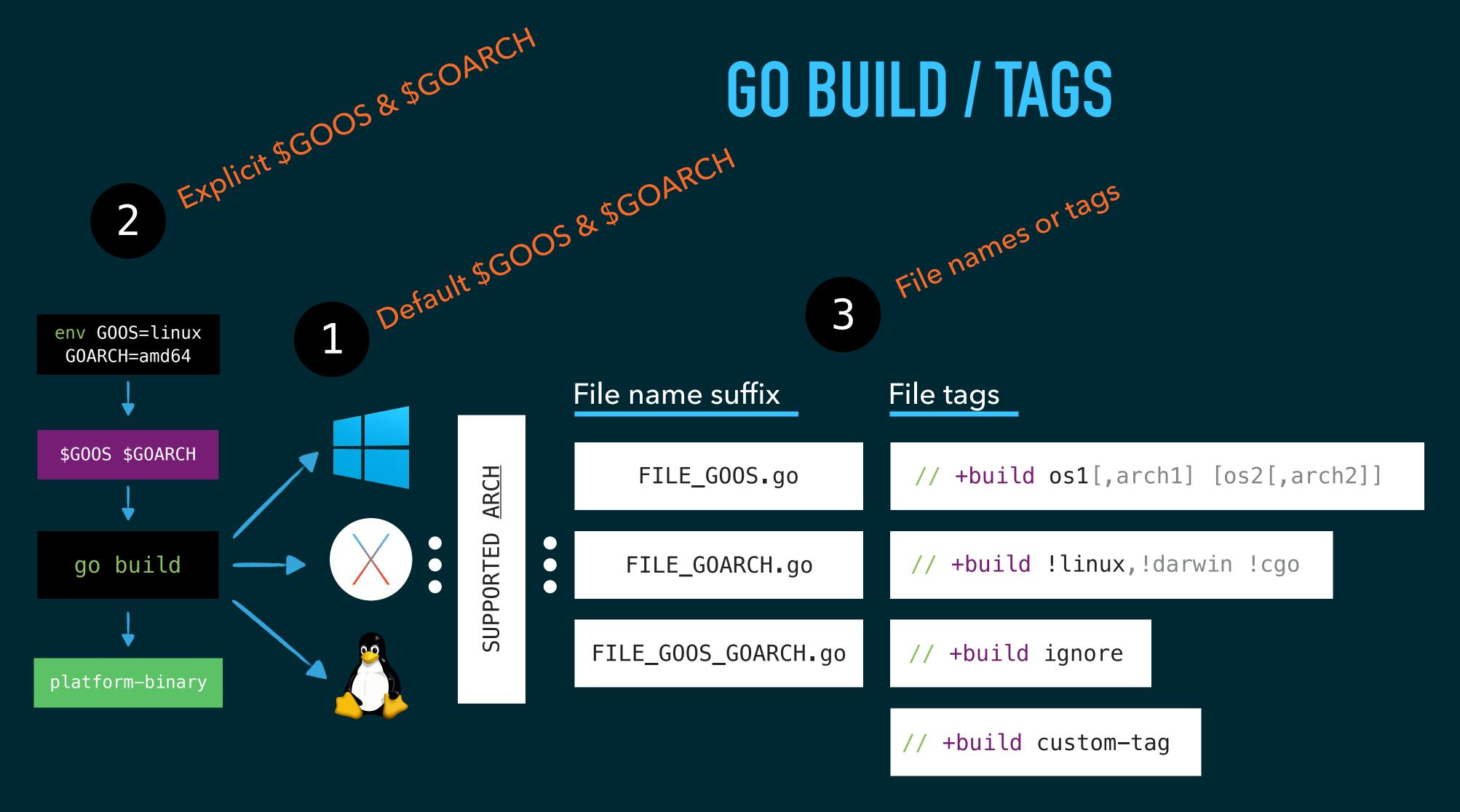
```
package main
import (
  const ...
var ...
     init() {
  // initialize
func main() {
  // execute
```



## FLOW EXAMPLE



### GO BUILD / TAGS





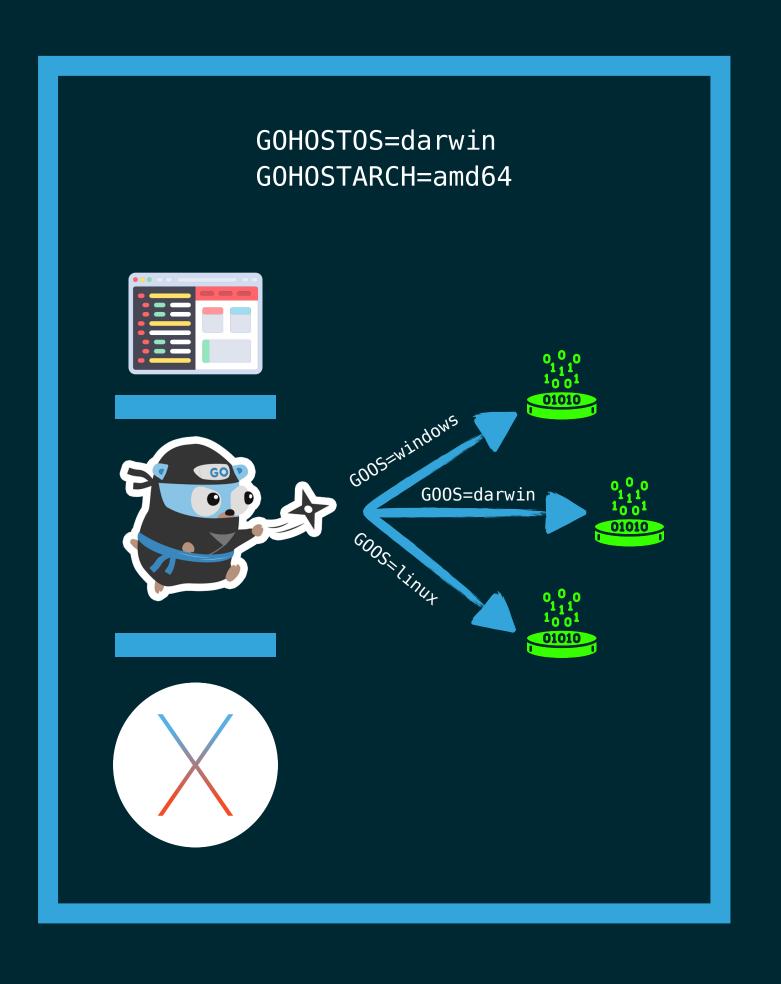






## BUILD/COMPILE TIME VS RUNTIME

#### BUILD TIME



#### RUN TIME

