GOOS=linux GOARCH=arm64 go build
Compile and install an executable from
local or remote code
go install [<br/>build flags>] <br/>(<br/>cpackages>@<version>]

Examples GOOREH=amd64 go ↔ build

Cross-compile to a different operating system and/or CPU architecture ⇔000=darwin GOARCH=amd64 go → build

Note: the race detector can identify data race conditions in concurrent code. Side effect: it slows down the executable.

Build an executable with the race detector enabled ....>

Examples
go build
go build main.go

Build a package or executable go build [<file.go>....|<dir>]

Build packages or executables

Examples go run . go run main.go

Compile and run Go files immediately (removes the executable after running) go run [<files.go> ... <dir>

Note: go get only works if the current directory is inside a Go module.

Example go get appliedgo.net/what@latest

Install 3rd-party packages go get path-to-remote-repo> ←
@version

Mote: environment variables override these global environment settings, for example: export GOPATH=/Users/chris/ ← temp/go

Example go env -w GOPATH=/Users/ christoph/.go Update Go environment settings globally go env -w setting=value

bo env GOPATH

Inspect the Go toolchain environment settings go env [<setting>]

go help <command|topic>

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go version

Verify the version of the Go toolchain

Essential commands

Run tests

project in the current directory
go install

Compile and install a binary from the

Install a binary from a remote repository

go install github.com/ ← appliedgocode/goman@latest Install a specific version

go install github.com/ ↔ appliedgocode/goman@v0.3.0

New to Go? Take the fast lane to mastery with my courses at appliedgo.com.

And at appliedgo.net, I blog about a mixed assortment of Go topics.

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Cheers, Christoph

Run unit tests
go test [.|./...] [-run ←
<regexp>] [-cover]

Examples
Run all tests in the current dir

go test .

Run all tests in the current dir's test files whose names contain "Router"

go test . -run Router

Note: -cover reports test coverage.

Run benchmarks go test -bench . [-run none]

Note: to avoid running unit tests besides the benchmark, add -run none. The string none should not match any existing test func name. How to fold the mini-zine

Fold along the long edge once. Unfold again. Fold twice along the short edge.





Cut the paper from the short fold halfway through.





Fold along the long edge again, push the ends towards the center, and fold

the pages into a booklet.

Happy coding!





The most frequently used Go commands at your hands!

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