

Go Lang

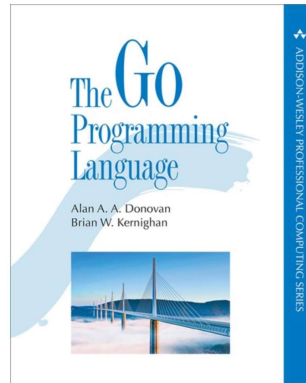
<https://golang.org/>



Last Edit: 9/15/2021

This document provides a list of the online educational resources for the Go programming language design philosophy, tutorials, and specifications.

- The official website for Go : <https://golang.org/>
- The complete online documentation for Go : <https://golang.org/doc/>
- The Go tool: <https://pkg.go.dev/cmd/go>
- For the genealogy and design rational for Go, read the *Origins of Go* and *The Go Project* sections from *The Go Programming Language* textbook listed below.
- Textbook & source code for *The Go Programming Language* textbook available online at:
 - <http://www.gopl.io/>
 - <https://github.com/adonovan/gopl.io/>



TIME TO COMPLETE:

14h 44m

TOPICS:

[Go](#)

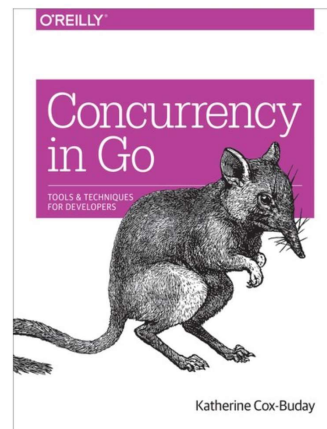
PUBLISHED BY:

[Addison-Wesley Professional](#)

PUBLICATION DATE:

October 2015

- This book discusses Go's support for concurrency and scalability:



TIME TO COMPLETE:

5h 38m

TOPICS:

[Go](#)

PUBLISHED BY:

[O'Reilly Media, Inc.](#)

PUBLICATION DATE:

August 2017

- Why Go Lang is becoming popular?
 - <https://www.youtube.com/watch?v=bmZNaUcwBt4>
- How to download and install Go?
 - <https://golang.org/doc/install>
- How to use VS Code with Go?
 - <https://www.youtube.com/watch?v=1MXIGYrMk80>
 - <https://github.com/golang/vscode-go>
- How fast is Go compared to Python?

- <https://benchmarksgame-team.pages.debian.net/benchmarksgame/fastest/go-python3.html>

mandelbrot

source	secs	mem	gz	busy	cpu load			
<u>Go</u>	3.73	34,192	905	14.85	99%	99%	99%	100%
<u>Python 3</u>	163.32	12,080	688	642.00	98%	98%	98%	98%

- Test-drive “Hello World” in Go:
 - <https://golang.org/doc/tutorial/getting-started>
- The standard library for Go packages:
 - <https://pkg.go.dev/std>
- Laundry list of packages and resources for EDA (Exploratory Data Analysis), databases, concurrency, and data science related tasks in Go:
 - <https://www.gonum.org/>
 - <https://pkg.go.dev/github.com/go-gota/gota/dataframe>
 - <https://github.com/gonum/plot/wiki/Example-plots>
 - <https://pkg.go.dev/database/sql>
 - <https://pkg.go.dev/github.com/lib/pq>
 - <https://pkg.go.dev/github.com/pa-m/sklearn>
 - <https://github.com/sjwhitworth/golearn>
 - <https://pkg.go.dev/github.com/tensorflow/tensorflow/tensorflow/go>
 - <https://pkg.go.dev/github.com/edotau/goFish>
 - <http://go-database-sql.org/index.html>
 - <https://tour.golang.org/concurrency/1>
- Playground and online tutorial:
 - <https://tour.golang.org/welcome/1>
- Coding Styles and code review comments:

- <https://github.com/golang/go/wiki/CodeReviewComments>
- Go usage & developer annual survey:
 - <https://go.dev/blog/survey2020-results>