

# What is “Go”?

Go (or Golang) is a **statically typed**, **compiled**, open source programming language designed by Google



## Statically Typed

Value types are defined in advance



## Compiled

Code is compiled ahead of execution



Go can be used to create all kinds of applications but it's especially popular for building scalable web servers or systems in general

## Why Go?

Go tries to combine the best of C++, Java & Python

Easier syntax and  
faster compilation  
than C++

Strict typing, as in  
Java and C++

Better  
performance than  
Python

Built-in core  
features and great  
support for third-  
party code

## Go: When To (Not) Use It

Go is awesome for ...

Web services & apps

Automation (“Scripts”),  
Command-line Programs

There may be better alternatives for ...

Games

Desktop apps

**Go gets used by companies like  
Google, Uber, Twitch, Dropbox  
and many more!**

# Installing & Using Go

1

Download & Install

2

Install Code Editor

VS Code

Go Extension

**(Very) basic programming  
experience is recommended!**

# About This Course

This course teaches the **core fundamentals** of the Go language



Values, Variables, Types & Modules



Functions & Error Handling



Pointers



Arrays & Maps



Structs



Control Structures

## How To Get The Most Out Of This Course



Watch The Videos  
*(at your pace)*



Code Along & Practice



Compare Your Code To Mine  
*(also see next lecture)*



Ask & Help Each Other!