

Grab Golang Bootcamp

Week 1 - Session 2





Q & A

How to submit your assignment

- Join FB chat group
- Using personal github.
- The repo's name: "grabvn-golang-bootcamp"
- New PR (pull request) for each assignment.
- The PR must be posted to the Facebook chat group before **10AM Friday**.

Preparation

- Install Go, recommend $\geq 1.11.x$
 - <https://golang.org/dl/>
 - Or using Homebrew (recommend) - <https://brew.sh/>
- IDE
 - VSCode (free) - <https://code.visualstudio.com/>
 - Plugin: Go - <https://github.com/Microsoft/vscode-go>
 - GoLand (paid) - <https://www.jetbrains.com/go/>
 - Debugger
 - Navigation
 - Vim (hardcore)
- Terminal: iTerm2 (Mac), Terminator (Unix)

Install Go

```
> /usr/bin/ruby -e "$(curl -fsSL
https://raw.githubusercontent.com/Homebrew/install/master/install)";

> brew update;
> brew install protobuf wget go;
```

Optional:

```
> brew cask install visual-studio-code goland;
```

```
# envvar setup
echo "export GOPATH=$HOME/gopath" >> ~/.bash profile
echo "export PATH=$PATH:$GOPATH/bin" >> ~/.bash_profile

if [ ! -d "$GOPATH" ]; then

    mkdir -p $GOPATH $GOPATH/src $GOPATH/pkg $GOPATH/bin
fi

source $BASH_STARTUP_FILE
```

“Hello Grab!” program

- Write your first “Hello Grab!” program with Go
- Run your program
 - Playground
 - Your laptop
 - Try to separate your program into multiple files and run it again
 - Build your program and run

How to run Go program on your laptop

- `go run main.go` // one file
- `go run *.go` // > 1 file

Build Go program & run

- `go build .`

Assignment

Write a simple REPL program .

Take a formula from a user then print out the result. The formula must be in this format:

`<1st num> <arithmetic> <2nd num>`

`* arithmetic: + - * /`

Assignment (2)

Example:

```
> 1 + 2
```

```
1 + 2 = 3
```

```
> 2 * 10
```

```
2 * 10 = 20
```

```
> 100 / 10
```

```
100 / 10 = 10
```

Q & A

THANK YOU!