Go

for Python speakers

(in the style of Duolingo)

by Joanna Shevchuk

Disclaimer

A tribute to

Swedish

for English speakers

Swedish

for English speakers

Go

for Python speakers

stackoverflow

- Overview
- Developer Profile
- **Technology**
  - I. Most Popular Technologies
  - **II. Most Loved, Dreaded, and Wanted**
  - III. Development Environments and Tools
  - IV. Top Paying Technologies
  - V. Correlated Technologies
  - VI. Technology and Society
- Work
- Community
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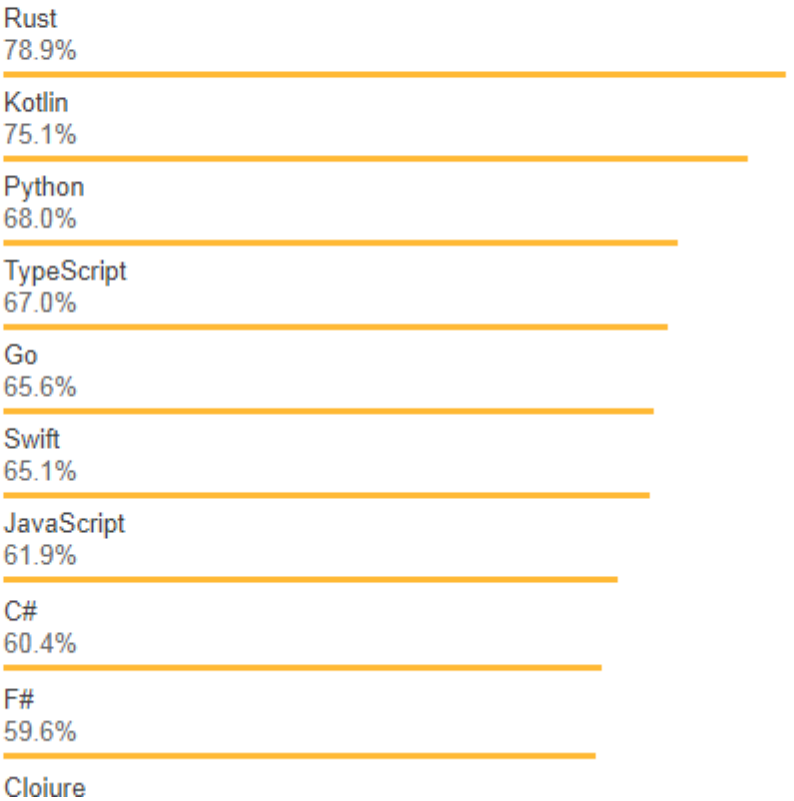
Most Loved, Dreaded, and Wanted Languages

Loved



stackoverflow

Overview

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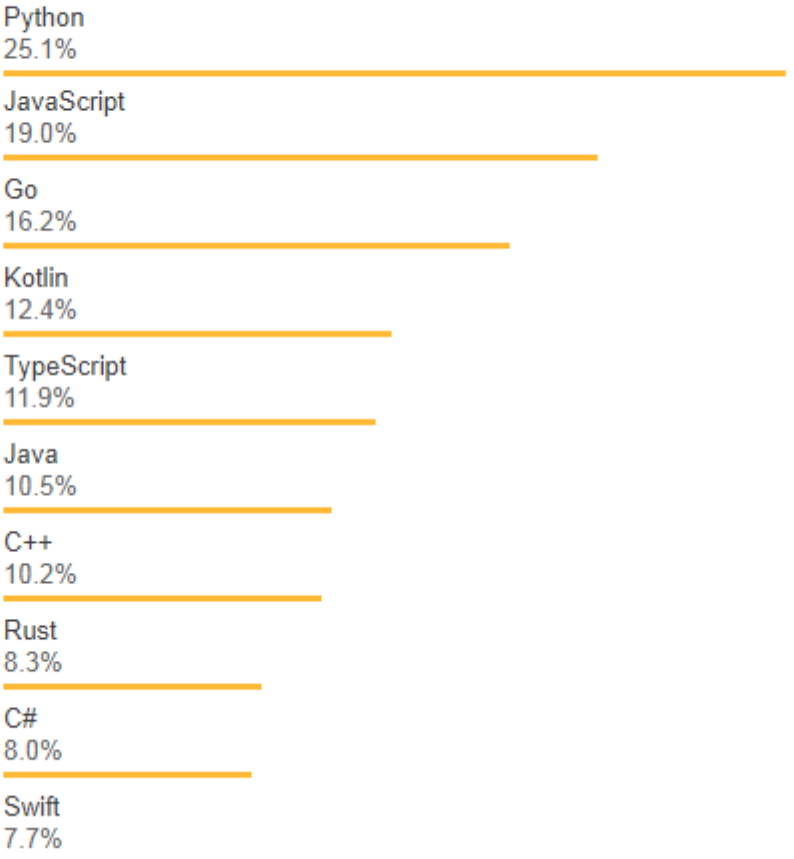
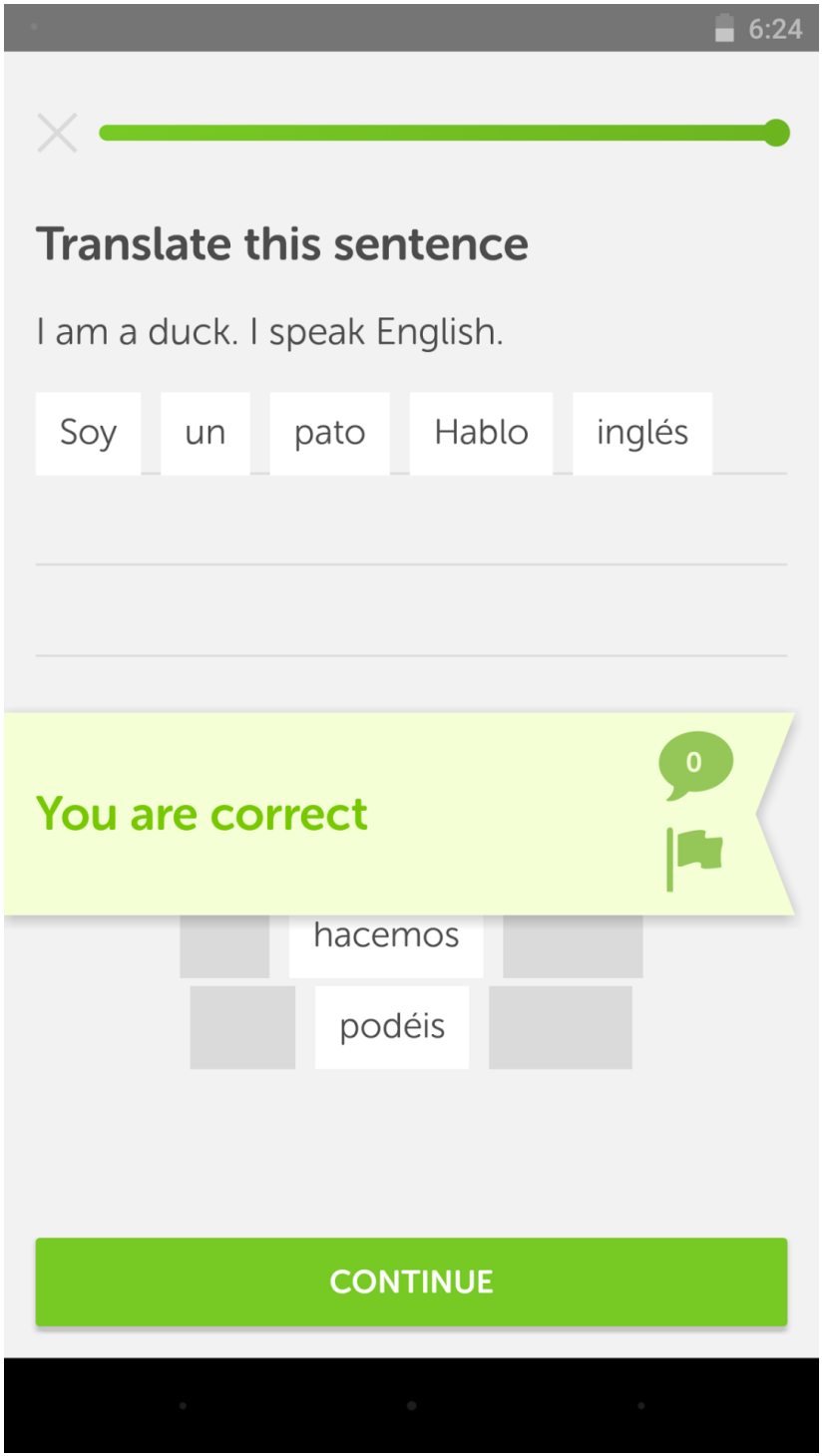
Wanted

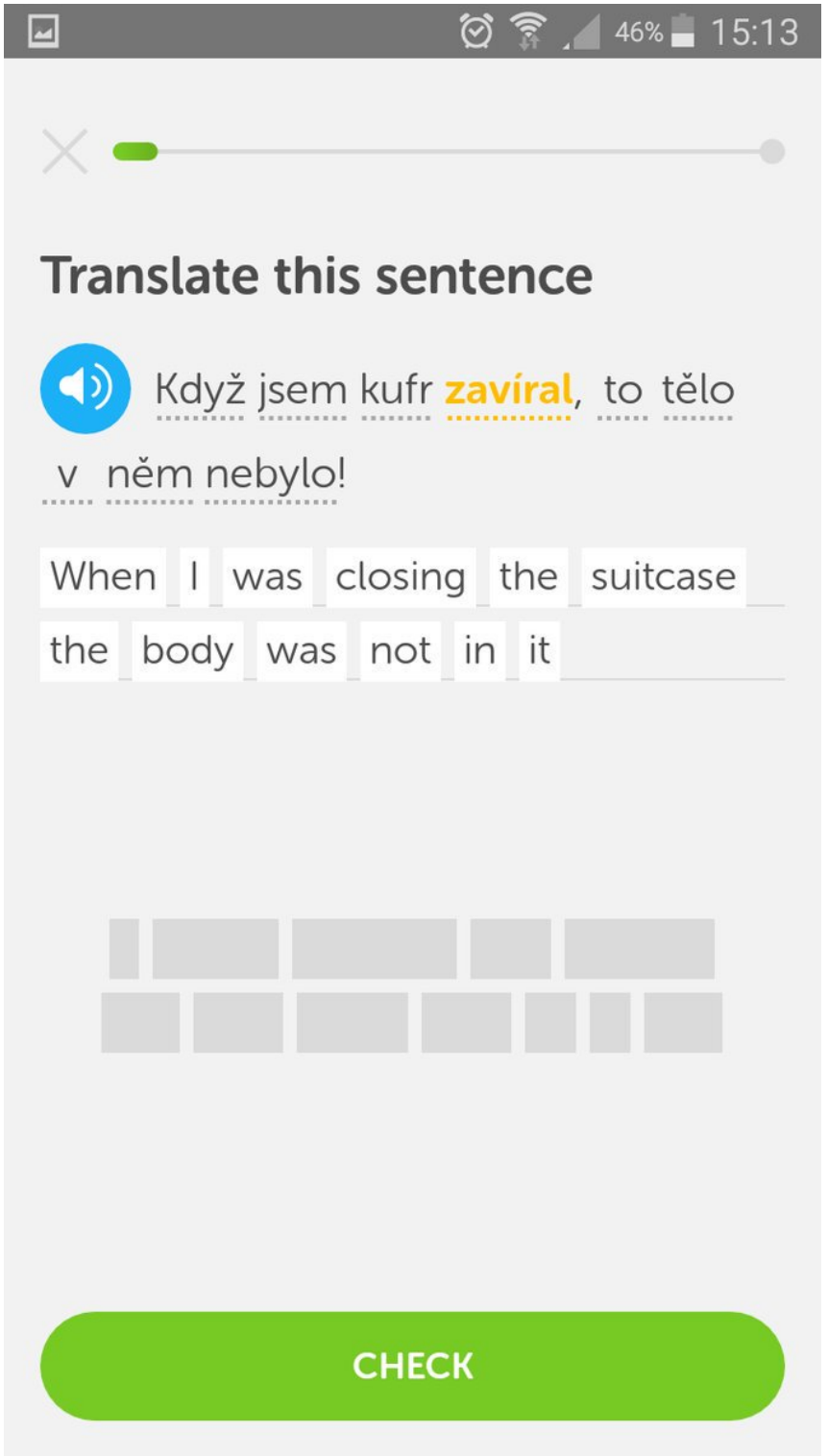


Hello World?

```python
#Python

print("Hello world")
```

```go
//Go

package main


import "fmt"


func main() {
    fmt.Println("Hello world")
}

```


6:24
Translate this sentence
I am a duck. I speak English.
Soy
un
pato
Hablo
inglés
You are correct
0
hacemos
podéis
CONTINUE


46%
15:13
Translate this sentence
Když jsem kufr zavíral, to tělo v něm nebylo!
When
I
was
closing
the
suitcase
the
body
was
not
in
it
CHECK

When I go to France after taking Duolingo lessons

Me: bonjour

French person: comment ca va?

Me: le chien respecte le lapin

French person: quoi...

Me: je suis petite

French person: je--

Me: les enfants mangent des pommes vertes

tour.golang.org

A Tour of Go

Hello, 世界

Welcome to a tour of the Go programming language.

The tour is divided into a list of modules that you can access by clicking on A Tour of Go on the top left of the page.

You can also view the table of contents at any time by clicking on the menu on the top right of the page.

Throughout the tour you will find a series of slides and exercises for you to complete.

You can navigate through them using

"previous" or PageUp to go to the previous page,

"next" or PageDown to go to the next page.

The tour is interactive. Click the Run button now (or press

< 1/5 >

hello.go | Imports off | Syntax off

```
1 package main
2
3 import "fmt"
4
5 func main() {
6     fmt.Println("Hello, 世界")
7 }
8
```

Reset | Format | Run

gobyexample.com

Go by Example: Hello World

Our first program will print the classic "hello world" message. Here's the full source code.

```
package main


import "fmt"

func main() {
    fmt.Println("hello world")
}
```

To run the program, put the code in `hello-world.go` and use `go run`.

```
$ go run hello-world.go
hello world
```

Sometimes we'll want to build our programs into binaries. We can do this using `go build`.

```
$ go build hello-world.go
$ ls
hello-world     hello-world.go
```

We can then execute the built binary directly.

```
$ ./hello-world
hello world
```

Now that we can run and build basic Go programs, let's learn more about the language.

Linuxoid life hack!

Install the Go tools

If you are upgrading from an older version of Go you must first remove the existing version.

Linux, macOS, and FreeBSD tarballs

Download the archive and extract it into `/usr/local`, creating a Go tree in `/usr/local/go`. For example:

```
tar -C /usr/local -xzf go$VERSION.$OS-$ARCH.tar.gz
```

Choose the archive file appropriate for your installation. For instance, if you are installing Go version 1.2.1 for 64-bit x86 on Linux, the archive you want is called `go1.2.1.linux-amd64.tar.gz`.

(Typically these commands must be run as root or through `sudo`.)

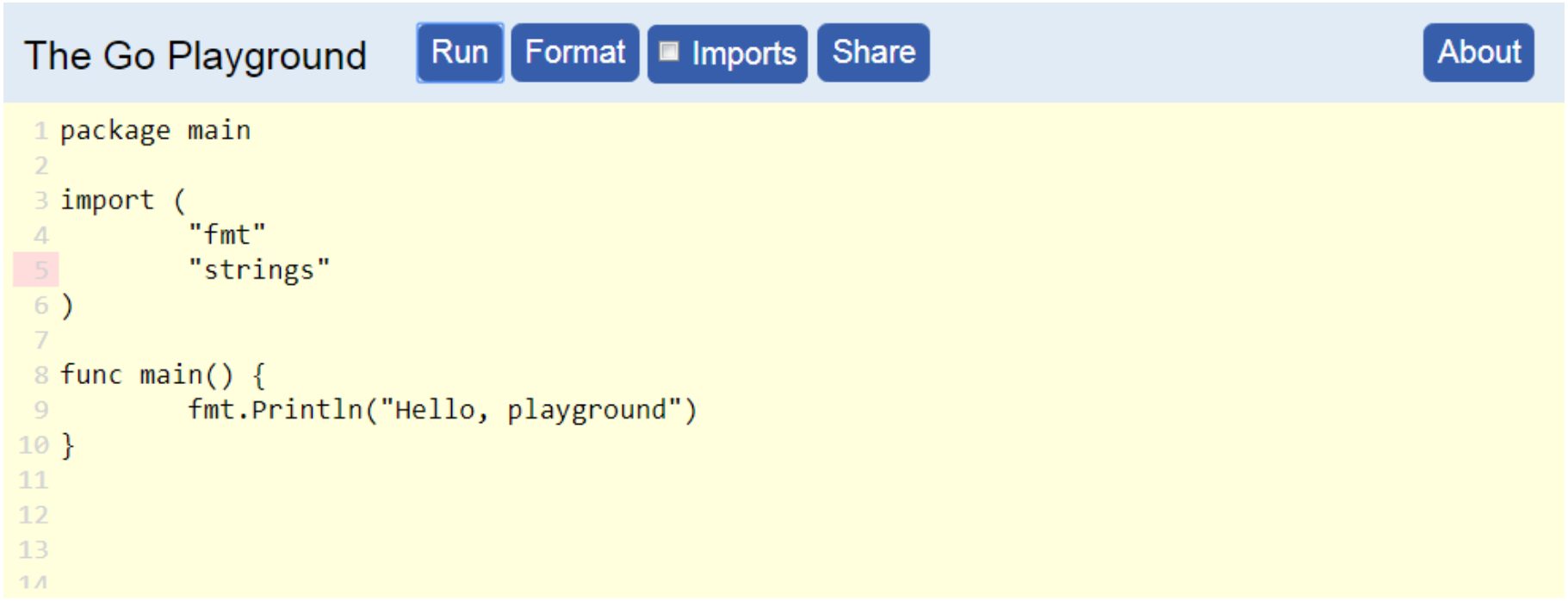
Add `/usr/local/go/bin` to the `PATH` environment variable. You can do this by adding this line to your `/etc/profile` (for a system-wide installation) or `$HOME/.profile`: ~/.bashrc

```
export PATH=$PATH:/usr/local/go/bin
```

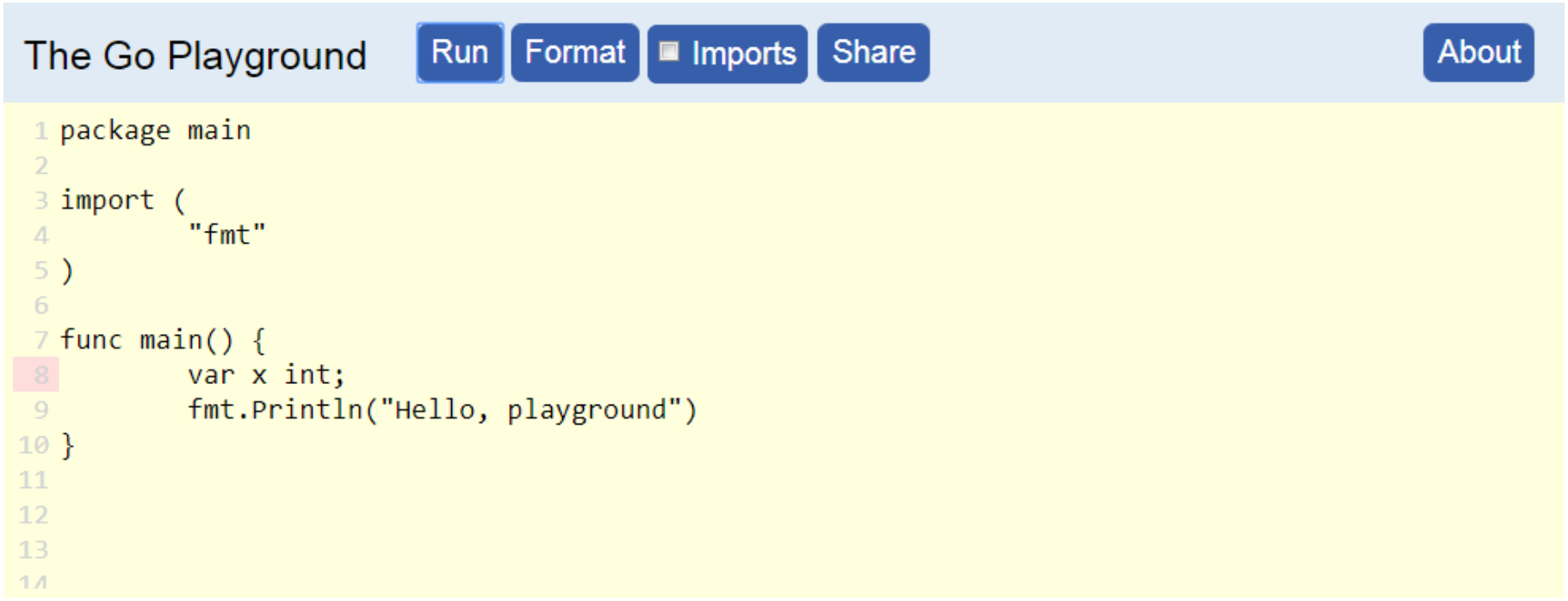
Note: changes made to a `profile` file may not apply until the next time you log into your computer. To apply the changes immediately, just run the shell commands directly or execute them from the profile using a command such as `source $HOME/.profile`.

play.golang.org

play.golang.org



play.golang.org



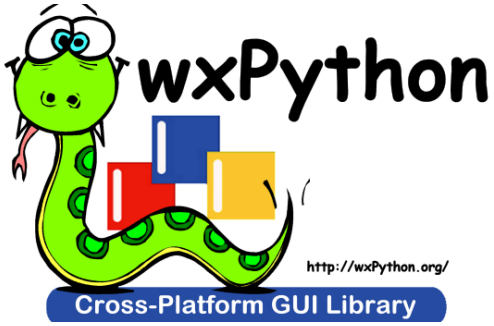
Backend web dev

django

Flask

BEEGO

Desktop GUI applications



- /gotk3/gotk3
- /aarzilli/nucular
- /mjl-/duit
- /mattn/go-gtk

Machine learning

Go API for Tensorflow:

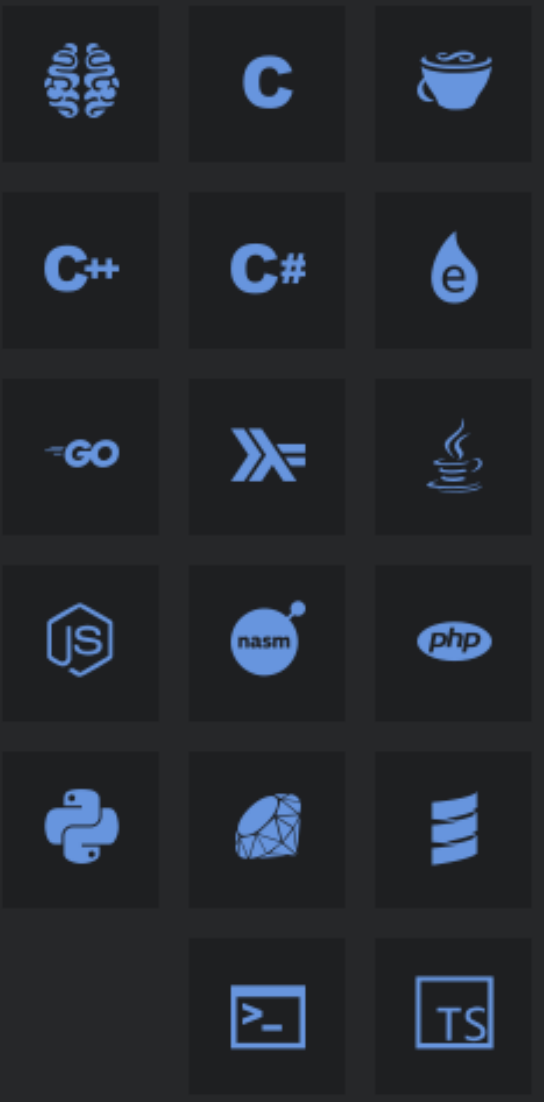
https://www.tensorflow.org/install/lang_go

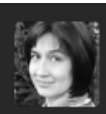
codewars.com

8 kyu **Remove First and Last Character**

☆ 247 89 89% of 4,554 33,219 Steadyx

Completed Languages: Go Python





6 kyu 202

8 kyu String repeat

Python:

```
def repeat_str(repeat, string):
    return string * repeat
```

1 month ago • Refactor • Discuss

Go:

```
package kata

import "strings"

func RepeatStr(repetitions int, value string) string {
  return strings.Repeat(value, repetitions)
}
```

1 month ago • Refactor

8 kyu Remove First and Last Character

Go:

advent
of code

adventofcode.com

by Eric Wastl

Dec 1 – Dec 25

reddit.com/r/adventofcode

gophercises.com

by Jon Calhoun

calhoun.io

joashev

djeannego

joannashevchuk