Hello to Go

Introduction to The Go Programming Language

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Summary: This is an introduction to `Go (Golang)` the programming language. We will write the simpliest CLI program in Go.

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Chapter I

Foreword

`Wikipedia:` Go (often referred to as Golang) is a statically typed, compiled programming language designed at Google by Robert Griesemer, Rob Pike, and Ken Thompson. Go is syntactically similar to C, but with the added benefits of memory safety, garbage collection, structural typing, and CSP-style concurrency.

`42 Mentor:` Go is a new language. There are lot of reasons why programmers loved Go (Golang) as soon as it realised: It'a a compiled language with powerful packages from standard library, garbage collector, concurrency, channels and it is not the end of this list of advantages. Eventually you will know what all of these words mean in a programming world.

> `"The Little Go Book"` will help you succeed in this and further exercises.

> If you are having a question that "The Little Go Book" or Google can't help you with. Send message to Slack to patigunt

Chapter II

Introduction

II.0.1 Read couple pages of the book

"The Little Go Book". First 23 Pages is enough to make this exercise. If you wish to skip indroduction to the lang and move to the action then your pages is 17-23.

II.0.2 Make the computer greet you!

Now you should be familiar with go code structure and packages (How to import and use standard library) and be able to write your CLI application.:

Create file "helloto.go" and write a program there, that takes a name and greet person by name or if name is not provided it greets "World".

> 💡 Name is an string argument. You write arguments after program name when you run it.

Build helloto.go

```
$go build helloto.go
```

This command will create executable "helloto" file, and you should be able to run it.:

This how right program works.

```
$./helloto
Hello, World!
$./helloto Kai
Hello, Kai!
$./helloto Coder
Hello, Coder!
$./helloto Go
Hello, Go!
```