

Golang Programming

Introduction

<https://www.youtube.com/@buildfromzero>

Introduction

- Developed by Google
- 2009
- To solve the problems in google
- Open Source
- Easy, Concurrent, Maintainability

Golang: Variables (മലയാളം)

Variables

- String
- Numbers
- Booleans
- Errors

Golang: Arrays (മലയാളം)

Arrays

- Simple collection datatype
- Fixed Size
- Limited to only one datatype

Golang: Slices (മലയാളം)

Slices

- Reference collection datatype
- Variable Size, ie we can add and remove items
- Limited to only one datatype

Golang: Maps (മലയാളം)


Why Golang ?

 [golang / go](#) Public

The Go programming language

 [go.dev](#)

 BSD-3-Clause license

☆ 108k stars  15.8k forks

 [gin-gonic / gin](#) Public

Gin is a HTTP web framework written in Go. It has a high performance -- up to 40 times faster than some other frameworks.

 [gin-gonic.com/](#)

 MIT license

☆ 65.8k stars  7.2k forks

Map

- Reference datatype
- Key-Value Pairs
- Dynamic Size
- Limited to only one datatype

Golang: Struct (മലയാളം)

Struct

- Only heterogeneous datatype in Go
- Custom type
- Basic building block for the OOPs in Golang

Golang: Functions

(മലയാളം)

Functions

```
1  package main
2
3  func Sum(a, b int) int {
4      result := a + b
5      return result
6  }
```

Golang: Loops

(മലയാളം)

Loops

- There is only one loop
- Infinite loops
- Loop till condition
- Counter based loops
- Looping over collections

Golang: Branching (മലയാളം)

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Branching

- If Statements
- Switch Statements
- Goto Statements
- Deferred Functions
- Panic and Recover

Demo

Thanks For Watching
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