
The Go Way

— Navneet Karnani —
Mandrake Technologies

Prerequisites

- Audience is smart and understands programming
- Ability to use Google
- Audience is looking for takeaways to be things not found on blogs

Scope

- Talk about the behavior
- Look at and discuss code
- Keep use cases simple to keep focus
- Cover the basics to enable building on the knowledge
- Promo: Talk on Web App development using Go later in the Conference

What is the charter of Go

Go is an open source programming language that makes it

easy to build

simple, reliable,

and efficient software.

HELLO WORLD

Findings

- No semicolons
- Name space
- “main”

Multiply

Write an application to print multiplication tables

— **Hands On** —

STEP 1 – COMPUTE AND PRINT

Findings

- No type declarations

STEP 2 – USE ARRAYS

Findings

- Arrays are data types with a specified type and size

STEP 3 – USE SLICES

Findings

- Views into the array

STEP 4 – TEST

Findings

- Test infrastructure built in
- Building blocks work with Example and Standard Conditionals
- Benchmarking

STEP 5 – CONCURRENCY

Findings

- Spawning “tasks” is a first class citizen
- Uses OS concept of “channels” for data exchange

STEP 6 – MAP, REFERENCES ... AND MEMORY

Findings

- Go treatment of Local variables differs from other languages
- Memory allocation uses the “make” method
- There is no “delete” needed

STEP 6 – STRUCT

Findings

- Structs are memory structures with optional associated functions and methods

STEP 7 – INTERFACE

Findings

- Duck Typing

Completeness

- Smart suggestions / errors
- Code formatting
- Dependency management
- Build Tool
- Testing framework
- Performance measurement

Code

[https://github.com/navneetkarnani/
Presentation-TheGoWay](https://github.com/navneetkarnani/Presentation-TheGoWay)

Thank You

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