Go

Everything You Wanted to Know About Go
and
Didn't Know to Ask

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Abstract

Working at GCI Network Services, OSS I needed a location for Go documentation. Hence this document.

Contents

List of Figures

List of Tables

List of Definitions and Abbreviations

- **MOA** - Municipality of Anchorage

Introduction

Introduction to the LaTeX Template with Examples.

Comments

`COMMENTS` Comment — *Sean Weems, Spring 2003*
We should get the `COMMENTS` column searchable via the landrecords application before we do much anything else – shouldn't be too hard.

Errata: Plats spanning multiple sections
A few anomalies can be observed in the `AKPLATS` table. Specifically plats exist that span multiple sections. Since the table only has a single column, `SCODE`, that accepts a single section code, SGU (Status Graphics Unit) has handled this problem by entering multiple rows in the table, each with a different section that point to the same plat or file. Multiple section plats are indicated by setting the `TCODE` column to the value `37`, and making an appropriate notation like *Section 24-25-26-27* in the `REMARKS` column.
[FIXME: Perhaps the `SCODE` column should accept an array of sections?]

Packages

Functions

Variables

Flow Control

Flow control of code using conditionals like `for`, `if`, `else`, `switch`, and defer.[1]

[1] "Flow control statements: for, if, else, switch and defer. Learn how to control the flow of your code with conditionals, loops, switches and defers."
https://tour.golang.org/list

Types

Type such as arrays, structs, slices, and maps.[2]

[2] "More types: structs, slices, and maps. Learn how to define types based on existing ones: this lesson covers structs, arrays, slices, and maps."
https://tour.golang.org/list

Examples

Verbatim

"The verbatim environment is a paragraph-making environment that gets LaTeX to print exactly what you type in. It turns LaTeX into a typewriter with carriage returns and blanks having the same effect that they would on a typewriter."[3]

```
\begin{verbatim}
    text
\end{verbatim\}
```

Figure formatting with verbatim

The following figure leverages verbatim for proper formatting:

```
gis/raster/
  dnr/
    map_library/
    plats/
      SP/YYYYMMDD/*.pdf               # indexed
      HI/YYYYMMDD/*.pdf               # Indexed
      ASLS/YYYYMMDD/*.pdf             # Indexed
    recorded-plats/
      YYYYMMDD/*.pdf
  blm/
    easements_17b/YYYYMMDD/*.pdf      # indexed
    mtp/YYYYMMDD/*.pdf                # non-indexed
    usrs/YYYYMMDD/*.pdf               # indexed
    usrs-notes/YYYYMMDD/*.pdf         # indexed
    uss/YYYYMMDD/*.pdf                # indexed
    uss-notes/YYYYMMDD/*.pdf          # indexed
    usms/YYYYMMDD/*.pdf               # indexed
    usms-notes/YYYYMMDD/*.pdf         # indexed
  usgs/
    drg/
      collared/
        250K/
        63K/
        25K/
        24/
      decollared/
      tools/
      missing\_data/
    dem/
    doq/
    topo/
```

Figure 1: File and Directory Structure

Appendix

Links

A Tour of Go
The tour covers the most important features of the language, mainly: Basics (Packages, variables, functions, flow control statements: for, if, else, switch, defer, more types: structs, slices, and maps), Methods and interfaces, and Concurrency.
https://tour.golang.org/welcome/1

List of integrated circuit packaging types
From Wikipedia, the free encyclopedia
https://en.wikipedia.org/wiki/List_of_integrated_circuit_packaging_types

Package Testing
`"import testing"`
The Go Programming Language
https://golang.org/pkg/testing/

Package types
`import "go/types"`
Package types declares the data types and implements the algorithms for type-checking of Go packages. Use `Config.Check` to invoke the type checker for a package. Alternatively, create a new type checked with `NewChecker` and invoke it incrementally by calling `Checker.Files`.
https://golang.org/pkg/go/types/

The Go Programming Language
https://golang.org/pkg/go/types/

The Go Programming Language Specification
Version of January 5, 2016
The Go Programming Language
https://golang.org/ref/spec#Selectors