

# Hello World



Nigel Poulton

@nigelpoulton | [www.nigelpoulton.com](http://www.nigelpoulton.com)

# What We'll Cover

Create workspace

First program

Functions primer

Run our program

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# Setting up Our Workspace

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# Writing Our First Program

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# Super Quick Intro to Functions

More later.....

## Functions Are First-class Citizens in Go

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```
func <name> () {  
    <code>  
}
```

“func” is a Go *keyword* that tells Go we’re writing a function

<name> We can give functions arbitrary names

All functions have parenthesis ()

The function’s code goes in between the curly braces {}

## `func main()`

- Entry point
- Only for executables
- Can't rename "**main**"
- Takes no arguments
- No return values

**package main**

- Executable program
- Entry point

**import "fmt"**

- "fmt" part of standard library
- "fmt" formatting I/O etc....

Exported names need a capital letter

Whitespace is just to help code be more readable

// line comments

/\* block  
comments \*/





Go is case-  
sensitive!



There is a **println** built in to the compiler, but **fmt.Println** is more \*production\* worthy code and is the idiomatic way.