Variables and Constants

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What We'll Cover

Declaring and initializing

Types

Pointers

Constants

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```
var name string = “Nigel”
var course string = “Docker Deep Dive”
var module float64 = 2.6
```

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Declaring and Initializing Variables

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Variables

Statically typed

Use **var** keyword if declaring at package level

Names must start with "_" or a letter

Go will initialize variables with a zero value

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Package level variables are global

Shorthand **declare and initialize** " : =" only works inside of functions

Variables declared at the function level **must** be used

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Types

A quick diversion…

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Pointers

Go passes arguments by value

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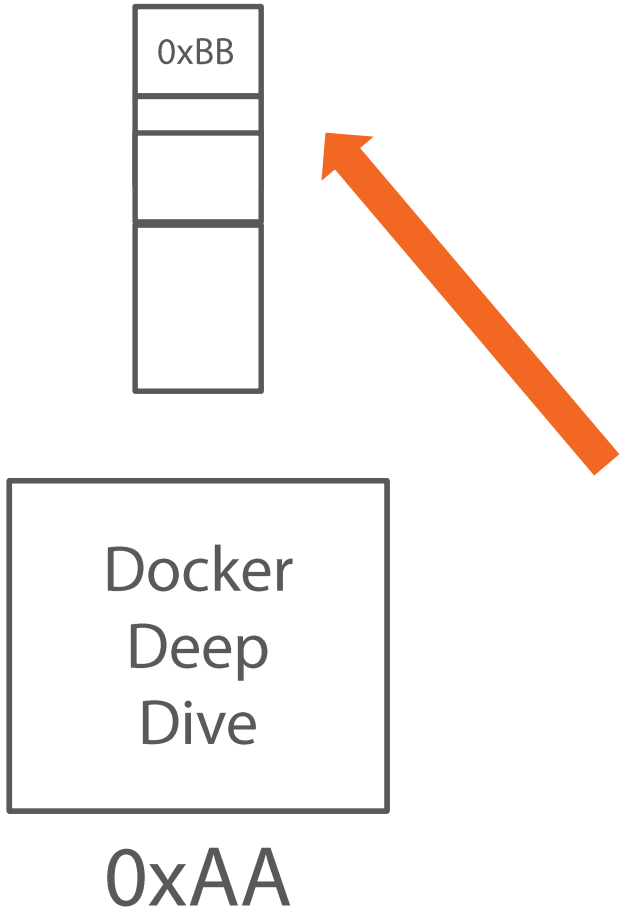

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Constants

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```
const speedOfLightMph = 186000
```

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Environment Variables

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Module Summary

Arrays

Slices

Structs

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