

The Swift Programming Language

Part 1

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What We're Going to Learn?

Print & Parameters

Variable & Constant

Data Types

Type Annotation

String Interpolation

Comments

Check Data Type

Multiline Strings

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Common Syntax

How to print output value?

- We use *print* to outputting anything to the debug bottom bar on Xcode
- We use *print* to handle something complex with data, and we want to know what's happening there
- *Print* are our friend when we're facing bug to debug

Common Syntax

What is var?

- Variable that can be replaced with another value
- Variable can handle **any** data types
- Variable usually found in looping section and classed (both are explained later)

Common Syntax

What is let?

- *Let* is a constant, that can **NOT** be replaced or changed
- *Let* would be better if used for declared something that can **NOT** be changed
- Usually used in function (explained later)

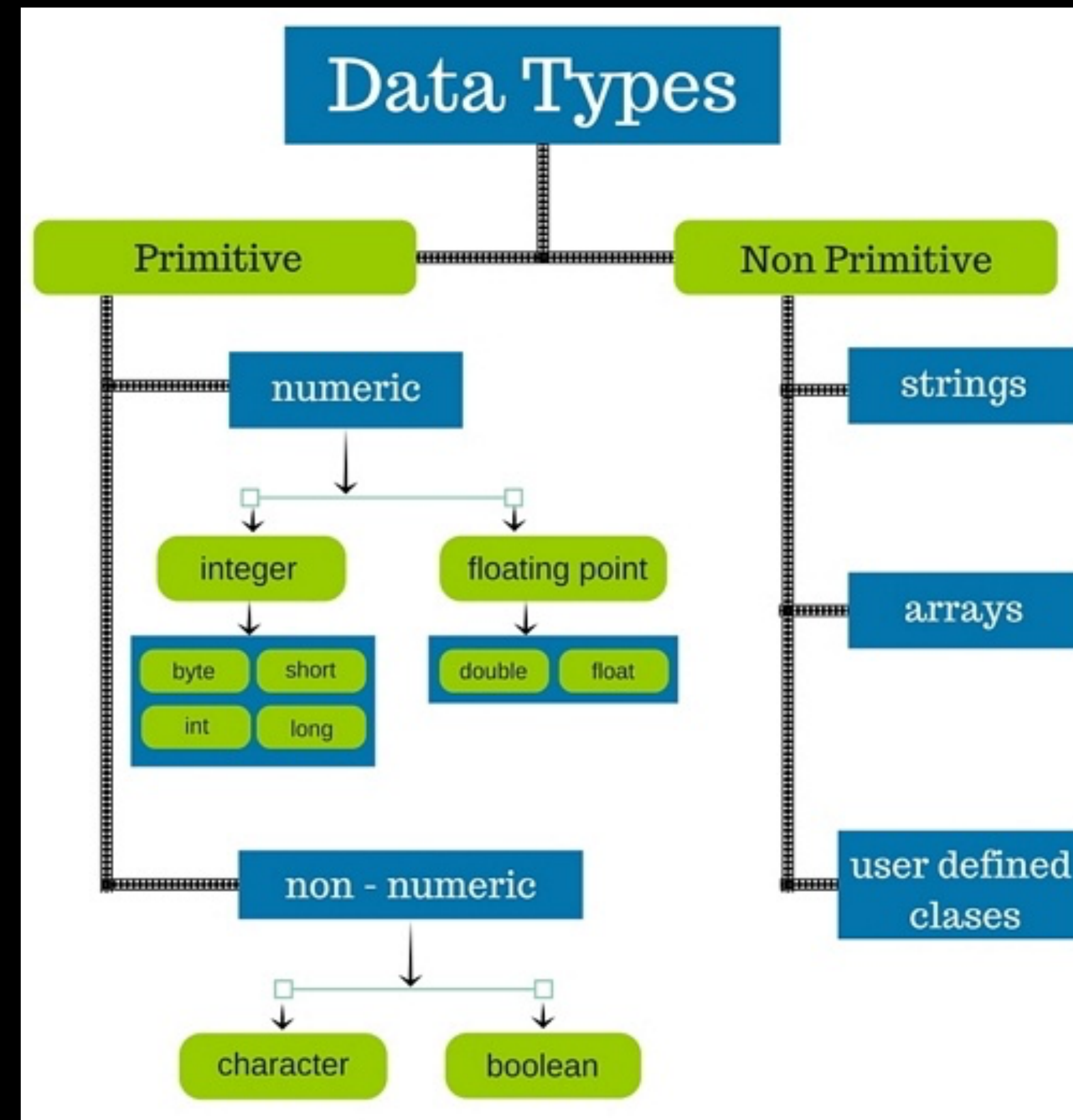
Common Syntax

What is data types?

- There are 2 type of data types: primal data types and non-primal data types
- We usually use both types without realizing it

Common Syntax

What's the differences?



Common Syntax

What is type annotation?

- We're use type annotation to initial a data type to a variable or constant
- example:

```
let name: String
```

```
var age: Int
```

- Prevent us from wrong putting data type when we're fetching data

Common Syntax

What are parameter available in print?

- We're using *terminator* to put something to very back of string/data type
- We're using *separator* to separate something in between

Common Syntax

What is string interpolisation?

- We're using interpolisation to put something inside string
- To interpretate other variable/constant to a string

Common Syntax

How to comment in Swift?

- We're using `/* */` to do multi-line comment
- We're using `//` to do single-line comment

Common Syntax

How to check 'what is variable/constant do'?

- We using *type(of:)* to check what is that thing

Common Syntax

Can I use string but with multiple lines?

- Of course you can, we're using triple-double quotation to make a multi-line strings
- By using triple-double quote in the beginning and ending
- The output will be exactly the same as you type in multi-line strings (spaces also)

Common Syntax

Another comment syntax

- We use triple slashes to make a comment with sans-serif like font
- We use 'MARK: ' without quotation to make marking comment, this will appear in overscroll Xcode

Thanks For Your Attendance Today!

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