

The Swift Programming Language

Part 2

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What We're Going to Learn?

Casting (Converts Between Data Type)

Escaping Characters

Strings & Basic Function



Common Syntax

How to convert data type?

- We're use `DataType(something)` to convert a data type into another

Example:

```
var a: Double = 5.5
```

```
print(Int(a)) // Converts Double into Int
```

Common Syntax

How to handle some character that we want to use but Swift hard to handle?

- We're use special escaping character to handle special characters

`\0` to return a nil

`\n` to return a new line

`\\` to return a \

`\t` to return a tab

`\”` to return a “

`\ ’` to return a ‘

`\u{1F496}` to return a 💖

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Strings

Basic Function String, example: A = “Erlangga Anugrah”

Function	Description	Exempli Gratia	Output
isEmpty	to check whether string is empty or not	A.isEmpty	false
startIndex	to check first character of string	A[A.startIndex]	E
endIndex	to check last character of string	A[A.endIndex]	<i>String index is out of bound (Error)</i>
insert	to add text at the desire destination	A.insert("!", at: A.endIndex)	Erlangga Anugrah!

Strings

Basic Function String, example: A = “Erlangga Anugrah”

Function	Description	Exempli Gratia	Output
remove	to remove text at the desire destination	A.remove(at: A.index(before: A.endIndex))	Erlangga Anugra
index	to access certain position of character (before or after) and certain ranges	A[A.index(before: A.endIndex)] A[A.index(after: A.startIndex)] A[A.index(A.startIndex, offsetBy: 9)]	h r A

Strings

Basic Function String, example: A = “Erlangga Anugrah”

Function	Description	Exempli Gratia	Output
append	add text to the very last of current text	A.append(" Mantab!")	Erlangga Anugrah Mantab!
count	to count the text in a integer value	A.count	16

Thanks For Your Attendance Today!

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