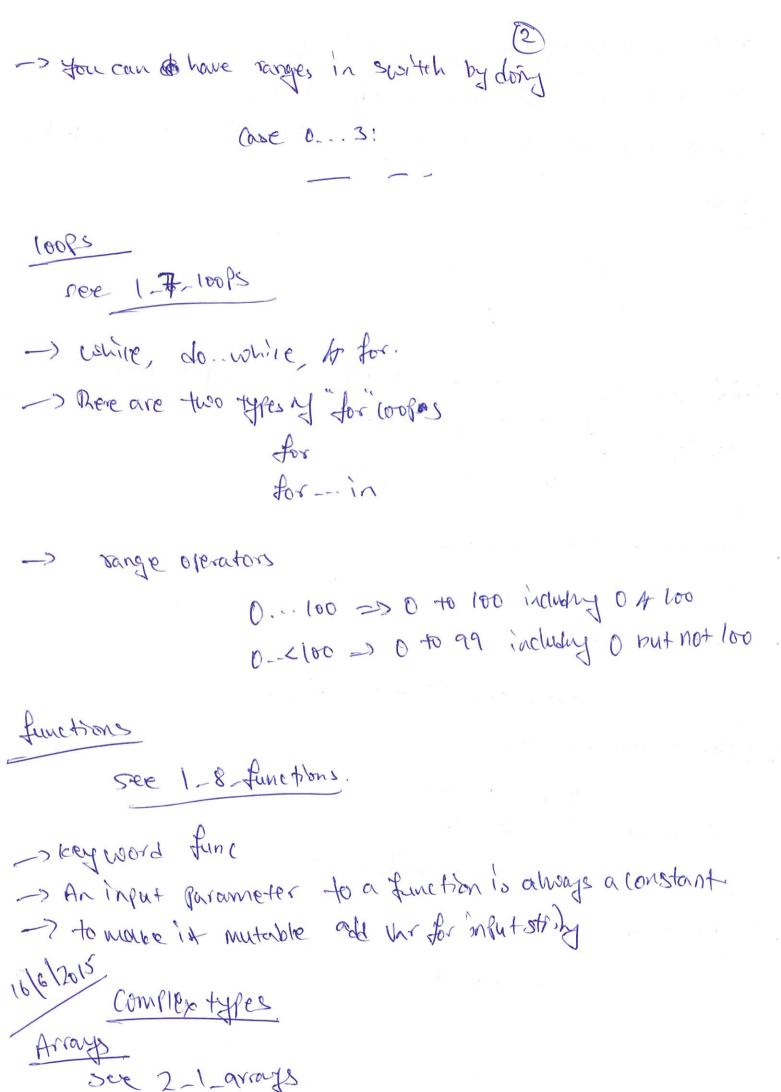
14/06/1997 2013 Swift essential.
Stouchire
-> /* _ */ } comments.
-> no semicolons needed for every startements
-> no nicein method or main function to start
Playground
-> You can see the graph by chickyon O' to the outfut.
see 1-1- fist. Playground.
Decleanly variables cere 1-2-voirables subtrables are decleared by keyword "var"
- swift is tightly data typed language.
-> Vas maderles had let cts
-> when you type something the compiler Infers the data type
-> once decleared for connot charge the data types.
-> if you just prite
Voit rame
Tour will get an orever as swift annot understand what type
of variable it is ine-int, et e etc.
-> so you need to explictly ten it
creatory constants
see 1_3_warants.
-> you can create constants by ushy och "let"

-> you cannot change the constant data type implicitly or explirity.
-> everytray whe is same as em. Var!
-> you cannot expense change are content of it
> It is highly recommed to gouse let it for know that it somethy
does not change.
Print and string interpolation. See. 1-4-Print and string Interpolation.
-) to grint of the use point Println ()
You can use \$
for strong interpolation
Converted values See 1-9-Converted Values. -> Swift does not convert Values implicitly.
-) You can convert voir by warpshy around with data types
Double () Story ()
Int () etc.
A statements powerten cour
see 15-17 and shorten couse
-> 17 condition should alway be books



-> Den Inderty of marray starts with 0:
-> arrays are the specific en strovent
-> arrays are type specific etc. Strovent -> If you use var ben be array is mutable, Let is immutable
Inters!
a= [a", "b",]
b=[1,2,-3
=> It for just want a variable where for comput data later of type specific forward is the string?
-> to insert at the end use
Some, append ("text")
. > to insert out some pos. do.
some insert ("text", at Index: _)
_1 to remove at last
Some renove Last ()
) to remove at index pos
some remove At Index (3)
-> count using, count
Some lount

@ Dictionaries

see 2-2-Dictionary

-> unlike array pict can have custom index could keyand

-2 Its not type specific that means the key A value combe a combination of streint or intitor or intilnteter.

Synday!

Var some = ['some ! '! "Some "]

To your some = ['some '']

empty Dict

Var some 2: [String: String]

-> uldoute or insert; if here is a key whather much on the Diction uldouted and if not the key is inserted.

Some ["Some i"] = "Some Some"

Some ciplate Value ("some some", forkey: "for")

-2 to beloke just makey be key equal to nil eg.

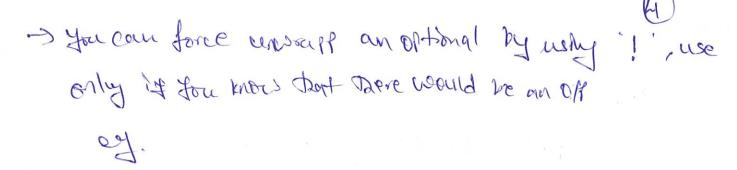
Some ("some"] = nil

Some, semove Value for key ("some 1")

How can count by adding, count.

->1/4x for (key, value) in some ? Println(" 1/kg) and (calue) Tuple See 2-3-typle -> a comphation of multible types. Var some > ("Some!") -> see 2 3 tulle for more examples of functions. Coftenas Words from see 2-3-01 thonals. -> for can use ofther when for don't know what to initials of exertor 8411 mont to use it. Syntax. rae temb: Int 3

-> It for foreconnials an optional van four who get an nuttine end use if conditions



Println ("Some (("Some!)")

De Cronne.

En amerations

- see 2-5_ enums
- -> option click on . Somethy to find what type of enum it is.
- 2 you could your own methods to enums see the example.

closures

See "2-6-10 sures. Hi "2-6-2-closure-example"

- -> contained units and returble tote.
- -> functions are types of Closures.
- > also known as lambdas. (N)

closses

Det a class and instantiate it

See "3_1_Det_class"

Syntax
class Name {
Proferates & methods
Proterties could be now or liets.
causy can be do using dot notation Mame. var-
Addy hibitisers See 3-2-initisers
-> You can inititise value by using
Foods init () {
Jou can de initilise by work
demit?

In heritance

see 3-3-inheritance

-> reasily the code from base class (super class) to subclass. See le Courtle.

-> forcon love the class by don't firm class name ? --- }

Computed properties See 3_4-Computed froftity. -> Regare de read only Referties which can to computation When called like + x / etc Tiffe Proferbes See 3_5_ Trepoporties or They are state properties that can be conitten in two ways O class var some: String of return usome Static Var some: String = "some"

you cannot au it drough instances.

ClassVaine. some.

-) for com only can ; + prough com clos.

Pito

lady Property	
See 3-6-lazy-property	
> The variable is not accessed unless asked for	
Syntax	
lazz var some = "somer".	
-slass are always vars	
Property observers	
See 3_7_ Property_Observers The property observer to a default property Put property Observer to a default property	lan
var some= bone, 2 vois Set ? . (nowbalne)	
did Set 2 (outlaine)	
3 This will show the Changer Compared to and old Vo	ilue to
railance.	

Access	medifiers

See 32 acress shoulffer)

Publice accessable noither the source code file.

Private Dema any code outside the module/propert

Internal - access by multiple code thes, but must be complied as a style makine. Colefonites

Public class Name {

Public Lunc nomes () } 3

Private func name2() 2.

Laking 14 tourser
colorkily with structures
See 4-1- working with - structures
-> everythe for see in swift is a stourture not a class
see 12-
Sere u-1-3:1-structure for structure -> when you have struct you get memberuse initiliser
Not means you can initilise the value of an varis
some course instrantitory it.
-) you cannot inhorit four other classes. -) no dein't for structs
See 4-2-Operators
Grance Observages

0.--100 vary blue 04 100 including 0 and 100 o-- <100 vary blue 04 one less tran 100 including 0 but not 60

Me 1. Sign in swift works with	/
The 1. Sing in swift works with	
regissive 3 numbers.	
Importing frameworks to using objective_colors	
System Library/Framowarus	
cocation.	
import Foundation.	
see hou importing.	
Advance language features	
+ He checking & down Cousting	
see 5 1- gelharry Ballon Castolets,	
See 5-2- Any Object And Any	
Any Object -> has to be an object, Ay Day Any -> Any type - both object and nonobject	

Synters	
	var mosome : [AnyObject] <->
	varione : [Any] _ array
	Vous somez: Any Obicit
	Var somes: Any
Jon com	But any combination of the
Protocols	
Jee 5	-3- Protocol clous com access Protocol
-) you ca	whome multiple protocols.
) free con	uuse Protocols by returny somethly toit see the docs.
See 5	Ly eptonions
A 11	tal I hapather to existing thes.
> Stor can	use your crothy code to control are there or
coart y	use your coopy code to control de flow or the
honorics	
See	5_5 Jenenes.
) Afunction	ion contrat can take any Laste type as an interperse on author of any Laste type by locally its dutitype are an author of any Laste type are an author of the any local survive Anyobical