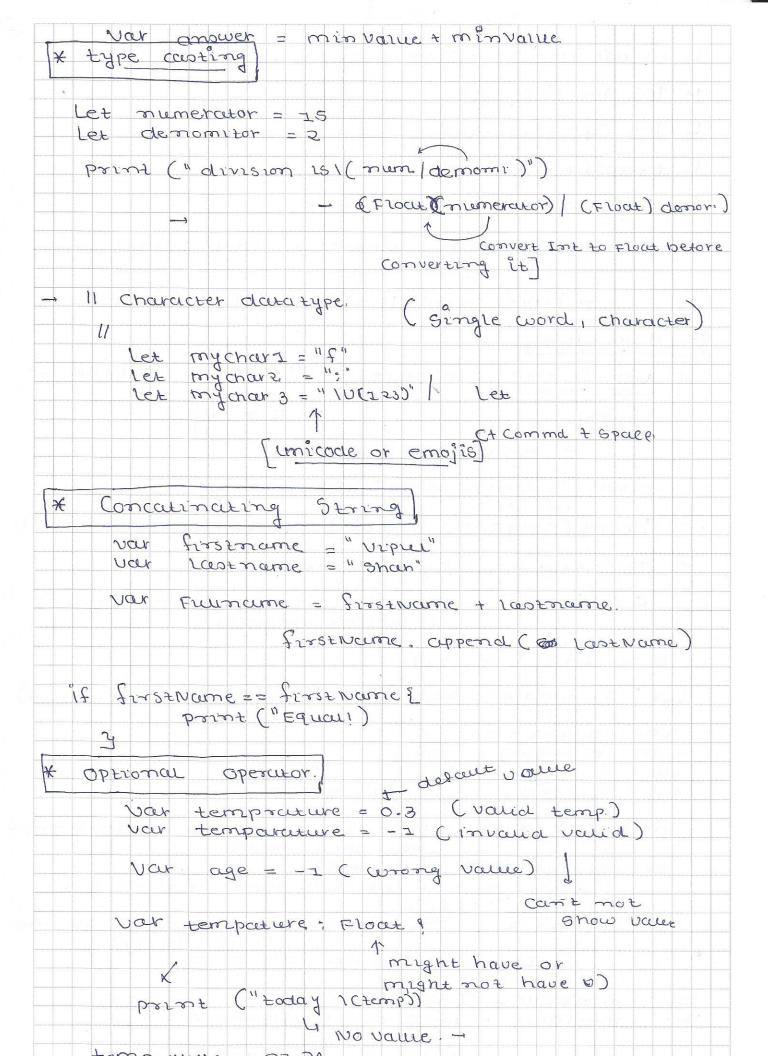
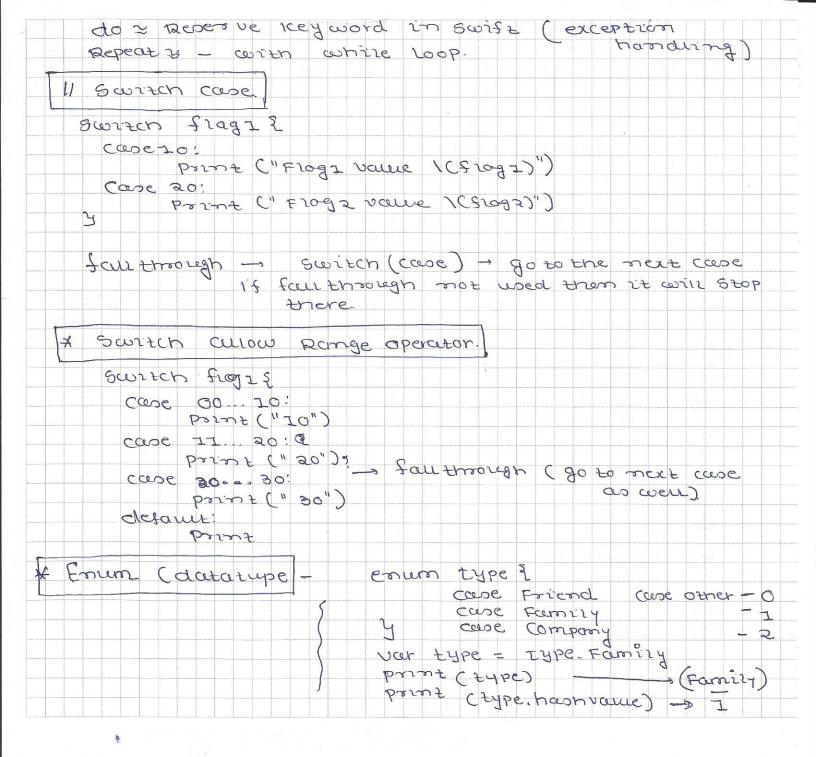
```
day-1 { IOS - }
G visual studio, & Amrord studio. & xcode.
4 IOS APP Life Cycle.
  Tos Opp simuator ( ios device).
  transfer data from one page.
   Firebase - Save data on croud,
  push Notification ( whats up notification)
        4 Finger print Authentication.
X
  data types:
    var a = 10 ( a store 10)
                                             output
                               NO COMPLIFE
    variable
                               No Brawning
          - many struff is discusted.
   print (" my name is % d"+b)
    Print (" rong name 25 ((b)") -> ("my name is orpur")
   don't need to specify the data type.
    a = "Sampre" - (Locked to Int) - No reassigning
                     is possible anymore.
  a = a + 1 ( - 11)
      PI-VALUE = 3.74 ( let cha cannot be changed)
 Let
  var
       a: 1nt = 10
       b: String = "Vipu"
 Vour
       C: Front = 0.5
 var
      d: Boor = true. -> assigning value.
 var
      temp: Float (temp will be Float & i don't know
 vor
                      the value now)
 voir age: Into sous (0-- 255)
               - diff. Int data type based on bit
          TWFIE )
                 Size
                     It have know rather in adrance
          Intoa
                                   int(8), Tout (6)
             Int can be longer Int value.
      min Value - Intermin ( Interio - 12
max value - Intermax. ( Int - 255) 127
var
Var
```







```
Switch type {

case.Friend:

Print ("Value is Of type")

default:
```

Point (" defaut value")

3

\* tuples = corrections (musiple values).

Array & one type of datatype (string, int) tuple y mustiple dataty type datatype

Let download Failed = (500, "Internal Server Error!)

download Failed. O → [500]

download Failed. I → ["Internal Server Error"]

Let (response Code, error message) = downroad faired
response Code error ressage - Li muripre Return

11 Structure. ~ Like Class & can have a function

Struct Contact {

var firstname: String

var tye: Type

Var contact = Contact (frozename; "Edu", type: . Comp)

Contact ("Edureca", .company) → which curgu. for which

Variable.

- contact. First want ("Edu")

contact. type (company)

Struct Town &

vot population = 5-422

(teyanok) 3 muating unc change Population (by: Int) {
change population += by

Vor town = Town (population: 3000)

```
Storing value - & cossinging by value
                      Ossigning by raeserence.
 11 Swift Funct
                          -> sayHerlo () -> Void
   func Sytheriols {
      basser ("Herro")
  func get values - Int &
   return 30
  func print Message (message mog: String) ?
         Print ("Message is (msg)")
   4
   print message (message: "this is a simple message")
   Sunc print Full risessage (name: String, surname:
                     String = "Smith") {
      Point ("Full message is (name) 1(surname)")
   Print Fulto cosage (name: "vipul, surname: "shan")
   Print Full krossage (none: "vipu")
* tupies For multiple Rutourn value.
     - Return by value.
  func Calculate (number: Int) - (Square: Int,
                                     (woe: Int) ?
   letint squre = number * number
     l'At let Clube = number * number
      return (square, cube)
 ion let ans = (accurate (number: 20)
   besset (averance educate)
```

basuf ( anshalls copy)

```
* Function which take multiple curyument.
  · func magic (numbers: Int...) {
          vour temp= 0
           for num in numbers &
   B
               temp += num
          Print ("Addition is (temp)")
  E
 pensing values by Reference
   fun Swapper (a: inout Int, b: inout Int) ?
  7
  Var magicvalue I = 10
  Var mægic vanuez = 20
   Point (magic valuez, magic valuez)
   Swapper (a: emagicvallez, b: emajicvalle)
 -> l -> Detercemce of the variable.
 - L magic vame.
    Collections.
 11
 11 let Sriends = [ "vipul", "vinay", "visnai"]
    Not friends = [String]()
      Friends, append (" vipu")
                                    frend += [" Arril]
      friends. append ("vinay")
      friends. append ("UISh").
     friends. insert ("AKOnay" at: I)
      Irrendo. remove (at: 1)
      friends. remove (ALIC) -
      friends. remove
```

var marks = [ string: Int]() marks [" uzpu"] =90 marks[" AKShay"] = 70 beint (works) if let mark = marks [" Akshay"] { ~ tuple 3 to for ( ma name, marc) in marks { bernf ("(Israme) " (ware).