SAT $\xrightarrow{\text{Cleared}}$ Intermediate

Beginer : Revise

Not Cleared : Beginer

a) New to Coding

b) Prior Enpertise with Coding
   but it's been a while
   (C / C++ / Java / Python / C# / Ruby ..)

c) Current Beginer:

Complete Beginer :   Refresher Beginer a Enthusits Beginer

a) Once today' Session, will share a typeform

→ ==Complete Beginer==   vs   ==Beginer Refresher== → {1 Month}
   └→ {2 Months}

                                        Input & Output : 1
   → Output & datatypes ⎫   If - Else
                         ⎬ 3 Sessions   While loop
   → Reading Input   ⎭   For loop
   → Operators   Pattens - 1
   → If Else : 3 Sessions   Pattern - 2
   → While loop : 2 Sessions   Functions
   → For Loop : 3 Sessions   1D Array & Array list
   → Pattern Printing : 2 Sessions   Problems in 1D Arrays
   → Functions : 3 Sessions   2D Arrays & Array list
   → 1D arrays : 3 Sessions   Problems in 2D Arrays
   → 2D arrays : 2 Sessions   Strings
   → String :   2 Sessions

→ ==Both Complete Beginer & Beginer Refresher : { Morning time}==

→ ==Complete Beginer== {2} ⎯⎯⎯⎯⎯⎯→ Refresher
        └   └
   Intermediate : { Problem Solving}   Intermediate : { Problem Solving
        └   └→ Advanced : & Data Structure
        └→ Advanced: & Data Structures

→ { You will get typeform, { → Morning
⌐ Evening

→ Complete Beginer or Beginer Refresher

→ { language module }
     Java *

Programming Constructs

All Then concepts we ⟵ {
will explain on top of Java

a) Reading Input / Output
b) If else
c) loops
d) functions
e) arrays

Content Structure

A) Beginer ⟶ { → Complet Beginer { Programming Constructs }
                  ⌐ Refresher Beginer

b) Intermediate → 2

c) Advanced → 4½

d) Language Module →

e) Design →

g) Project Module →

My pace acording to Complete Beginer

// Puzzle:

only oranges

only apples

oranges   apples   orange & apple

I) All Cables are misplaced ⟶ Min steps to label all of them
                                            correctly.
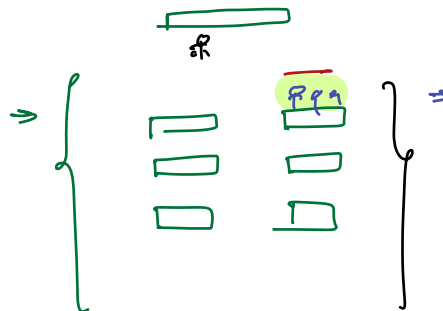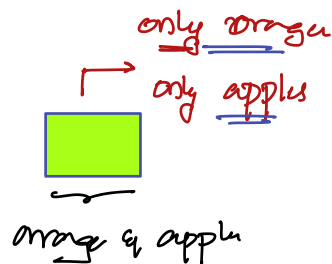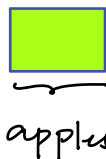
Ideally?   In a Step we pick a bag and
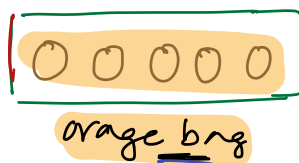   randomly pick a fruit from
bag oranges : Only oranges   bag.

bag Apples : Only apples

oranges & Apples: Min of Both

// Using 1 Step:

as label ⟹ ans = 1

Pick the (Bag mixture): ⟶ We picked from min bag

                                        ↙ orange   ↘ apple

In Bag of Min: ⬭⬭⬭⬭⬭   Min: 🍎🍎🍎🍎
                      orange bag   apple bag
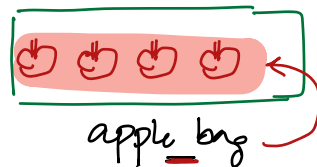
Orange Bag : 🍎🍎🍎 or ////////   Orange Bag: 🍎🍎🍎 a 🍎⬭
                apples   min

Apple Bag: /////// or 🍎🍎 ⬭⬭   Apple Bag: ⬭⬭ or 🍎🍎⬭
              oranges   Mixture

Min:	Orange	Apple
⬭	🍎⬭	⬭🍎

Min	Orange	Apple
🍎	🍎⬭	⬭⬭

(orage)   (apple)   ([min])

apple

Step1: The Bag which has lebel name as min, pick that bag

(orage)

(apple)

(min)

// Small Example:

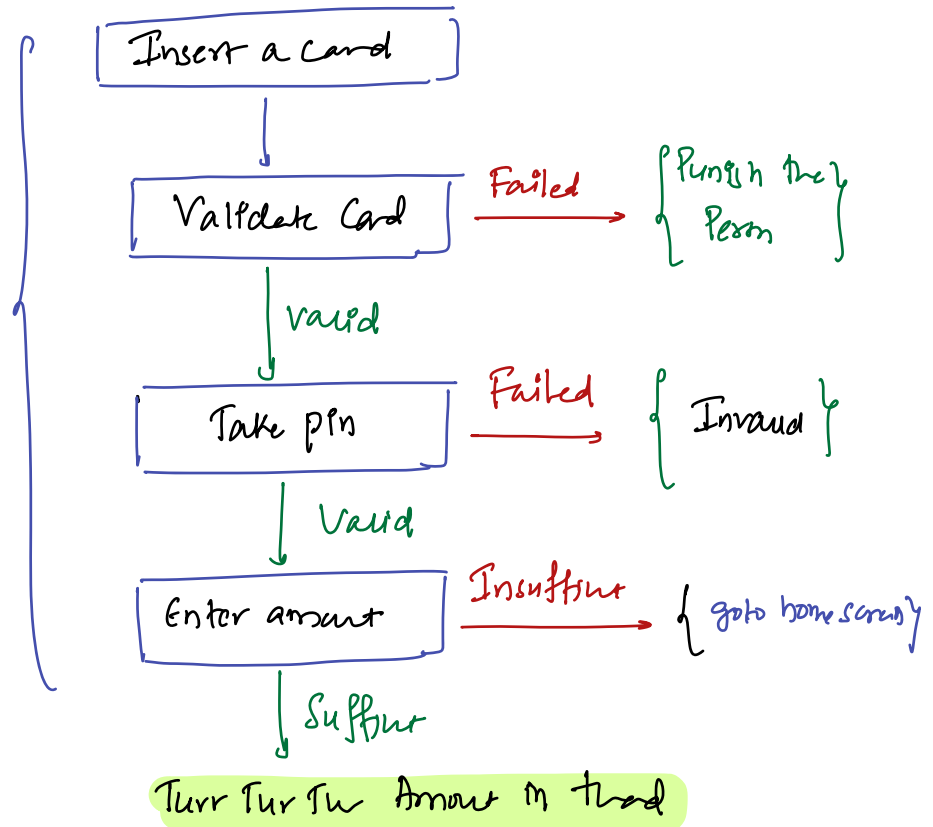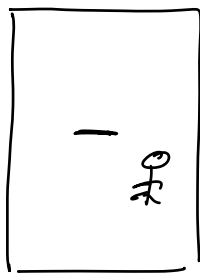 ↳ Computer dumb?

Steps   ⟶   Computer

👤 ⟶ 🌱 ⟶
- Get up from bed
- Walk to kitchen
- Pick up a Glass
- Fill water in glass
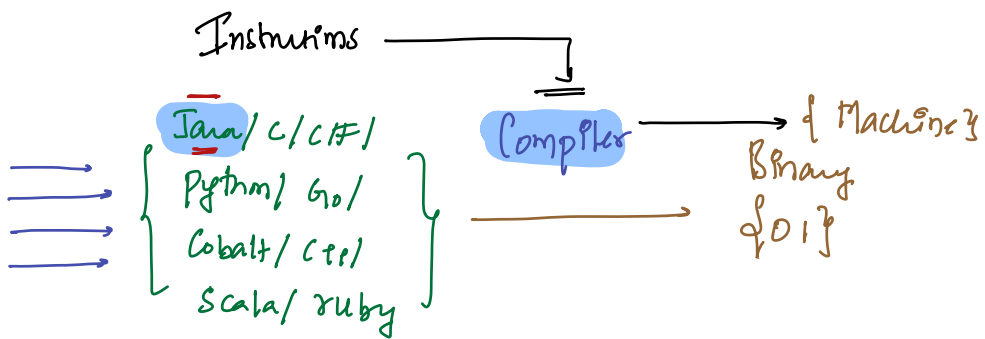- Come back to bedroom
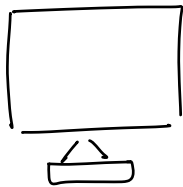- give the glass

→ Every instruction clear

→ It should not be ambigous

// Instructions to get money from ATM

Insert a card

Validate Card → Failed → { Punish the Person }

↓ valid

Take pin → Failed → { Invalid }

↓ Valid

Enter amount → Insufficient → { goto home screen }

↓ Sufficient

Turr Tur Tu Amount m thrad

//

Computer

Instructions

Java / C / C#/ Python / Go/ Cobalt / C++/ Scala/ ruby

Compiler → { Machine } Binary { 01 }

// I am you have love me * no grammer / syntax

languge → Syntax → If we miss Syntax : We will Error