16 August 2025 10:00

PG Students ✓

1st Sem ✓

Adv. IML ✓

{ Dr. Vivek Tiwari
Adv. IML }

Know abt my class

1. CSE / DSAI / → B.Tech – CSE / civil
   B.Sc. – . . .
   BCA –

Coding / Implementation / Experiment Labs

Python

Adv. DSA

10 - 11:30 , 3 : 4.30 } Saturday

Q → Interested :

(1) only theory part

(2) only Implementation

✓(3) both (theory + Code / Implementation)

Basic +

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(1) = (2)

(1) → Theory

10 : 11.30

(2) → Implementation
Coding
Lab

3 - 4:30

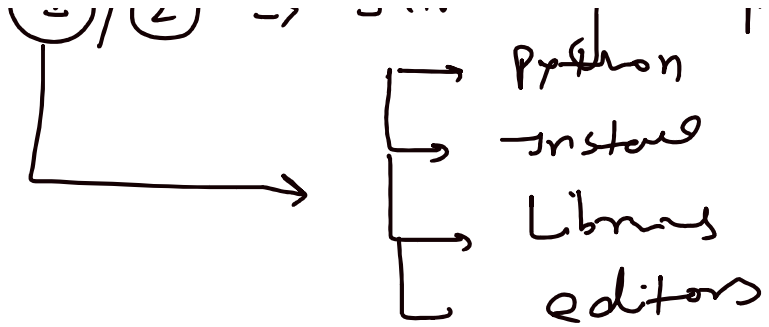
R

coding / Implementation → Python

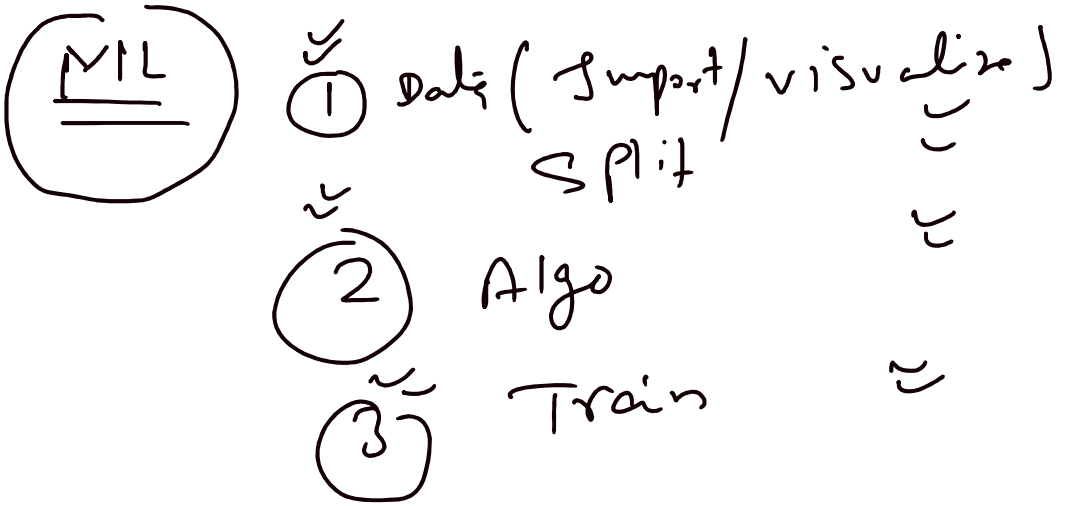
C / C++ / Java / R / C# / Python

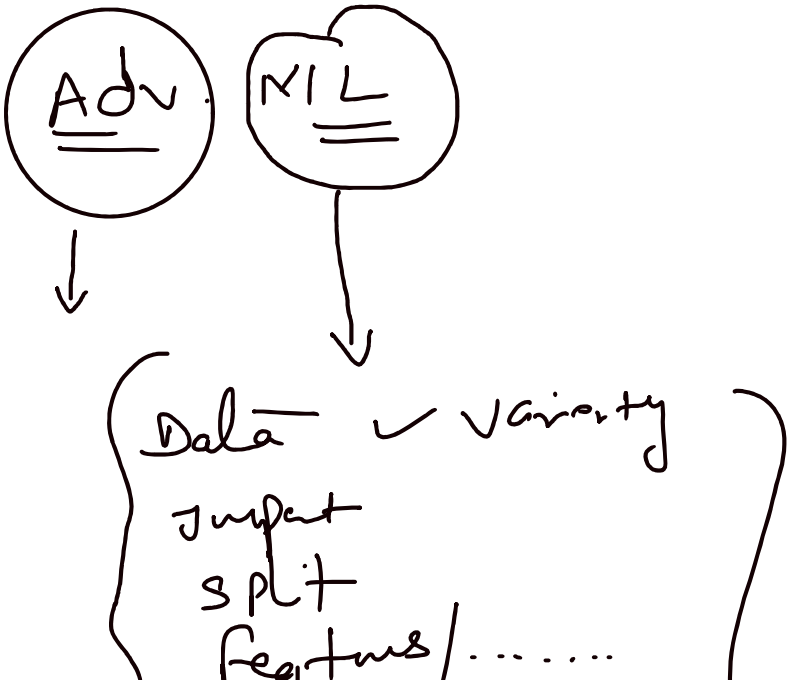
New = Python

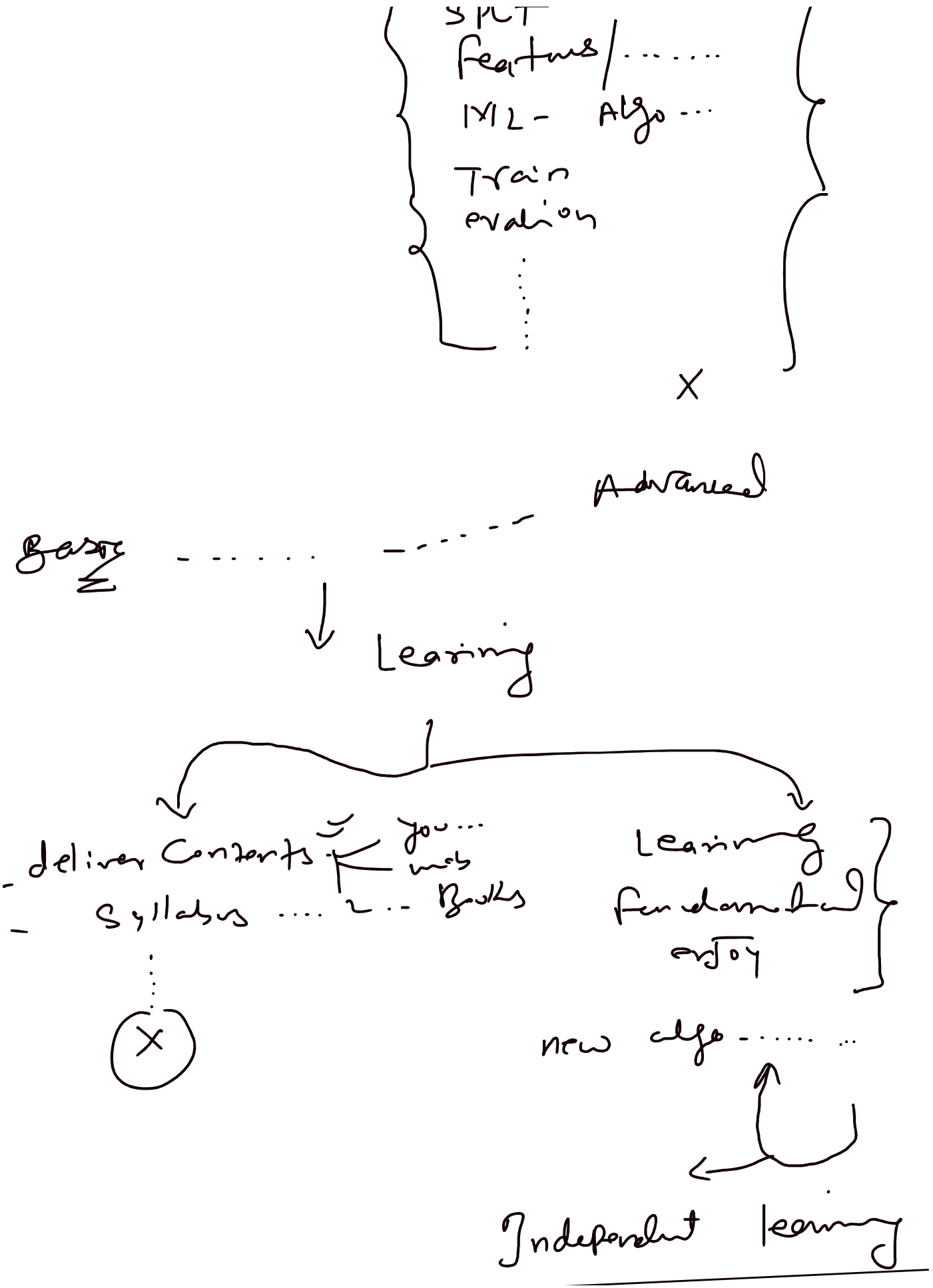
(1) / (2) => Introducing Python → Python


Python
install
Libraries
editors

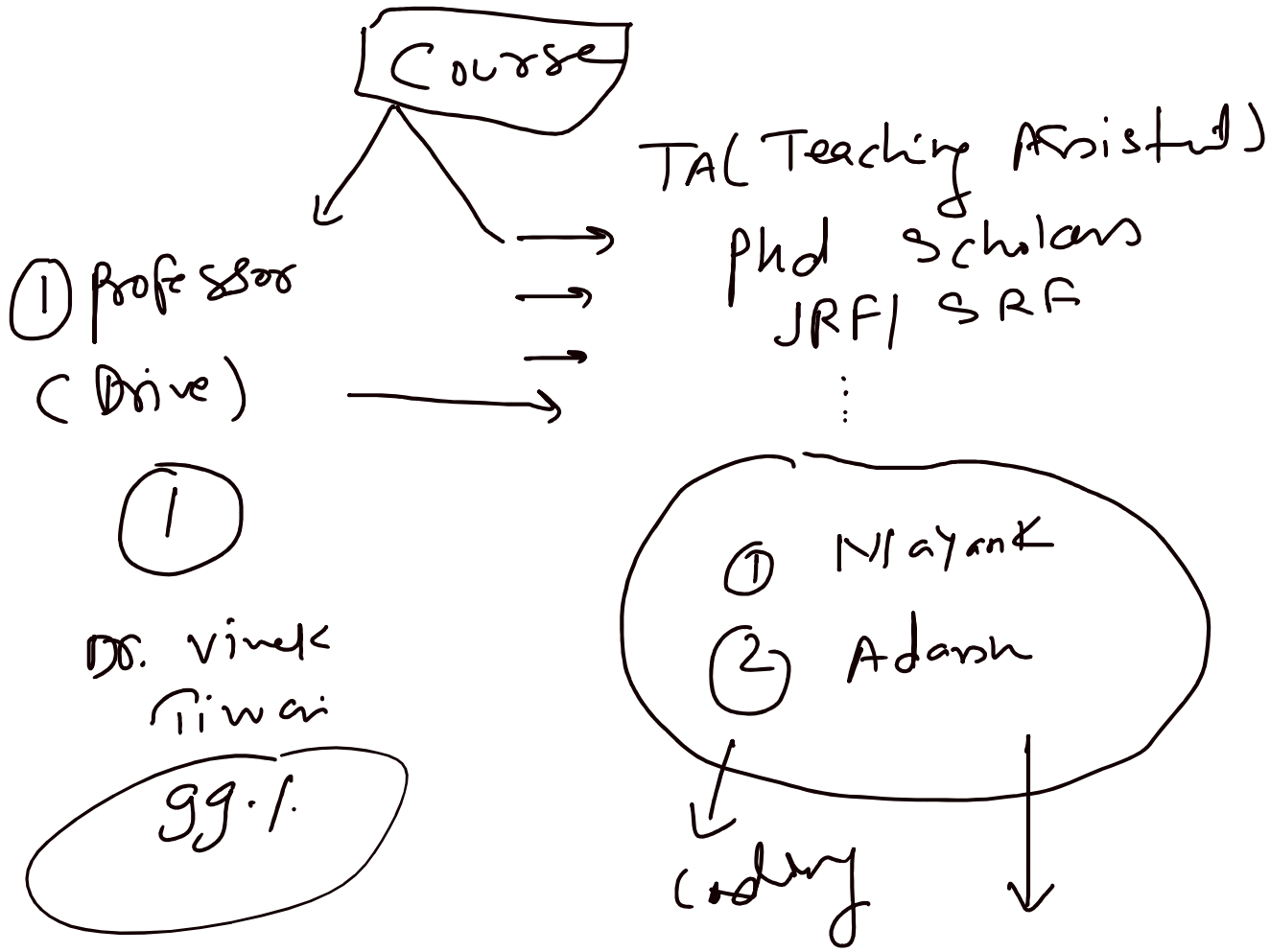

Python


ML
1
Data (import / visualize)
split
2
Algo
3
Train


Adv
ML
Data - Variety
import
split
features/.....


SPLT
features/.....
ML - Algo ...
Train
evalion
X
Advanced
Basic
Learing
deliver Contents
Syllabus .... 2 .. Books
you...
web
Learing
fundamental
enjoy
X
new algo ....
Independent learning

IIT / NIT / IIITs



Quiz | Assig | Mid | Final

Q

what is covered
(class { theory + coding)

Syllabus

X

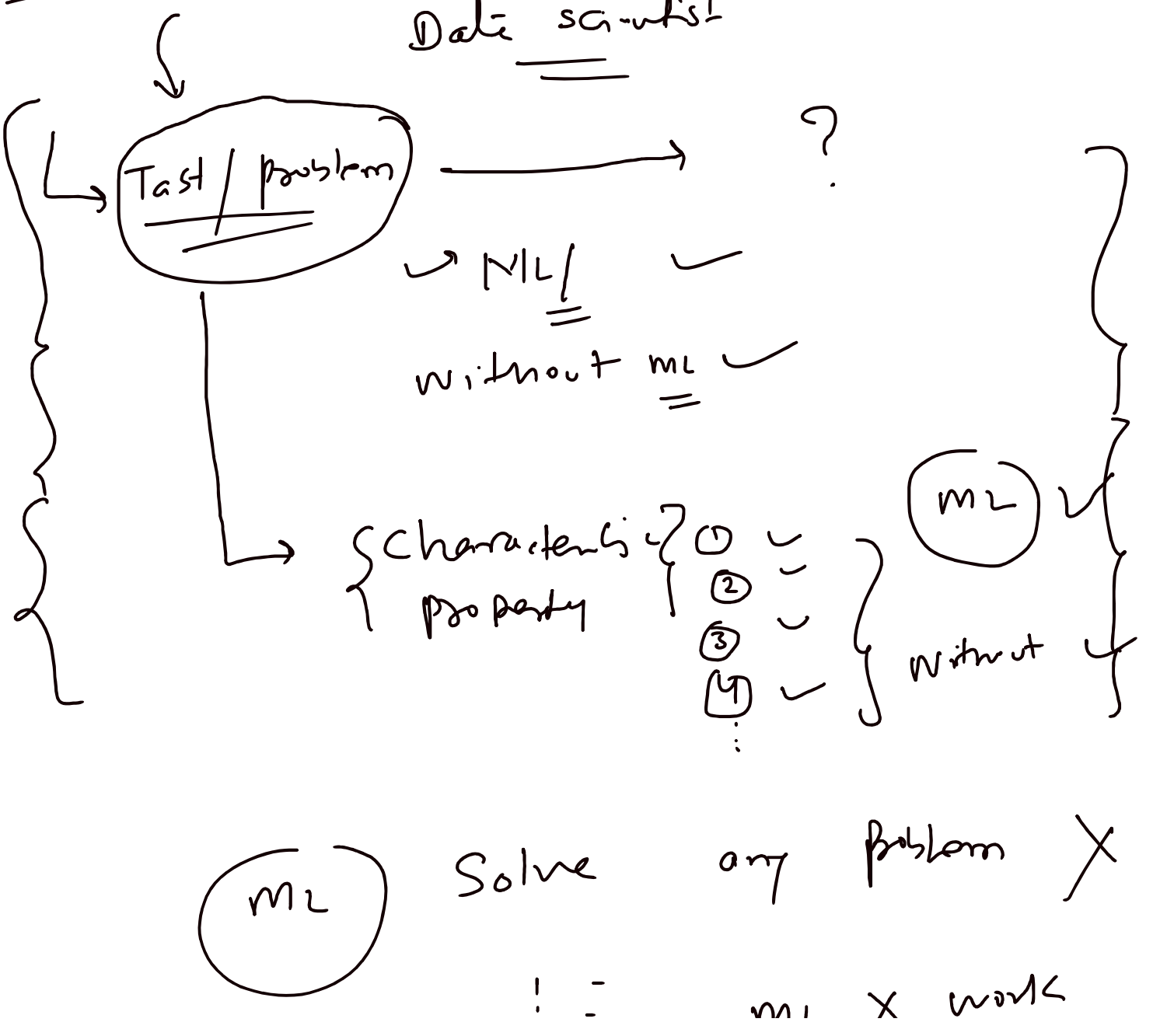
4-5 %. → Concept

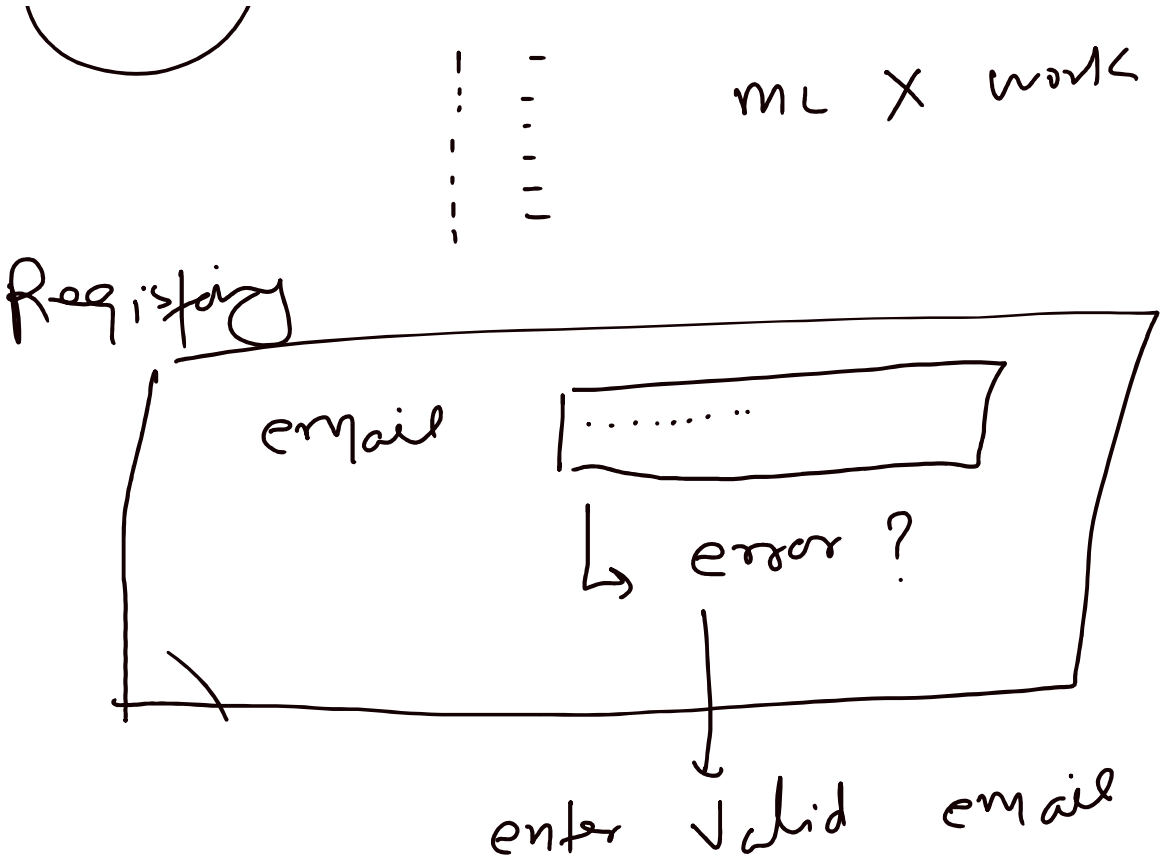
Skill → ML

1 Define => ML

{ understand } => ML
feel


ML
AI
DL
Same
meaning


Data scientist
Task / problem
?
ML
without ML
ML
Characteristic property
1
2
3
4
Without
ML
Solve any problem X
!
ML X work



Q ⇒ valid ✓
not valid ✗

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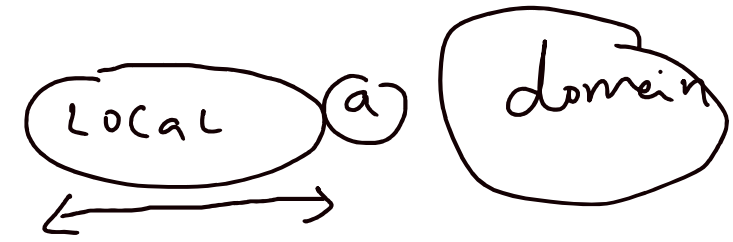
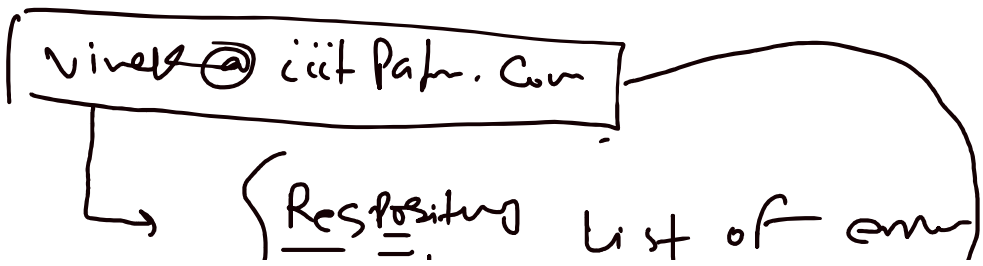
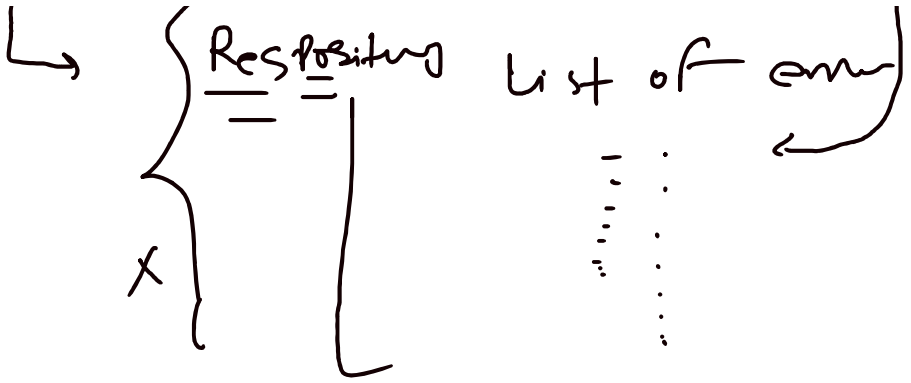
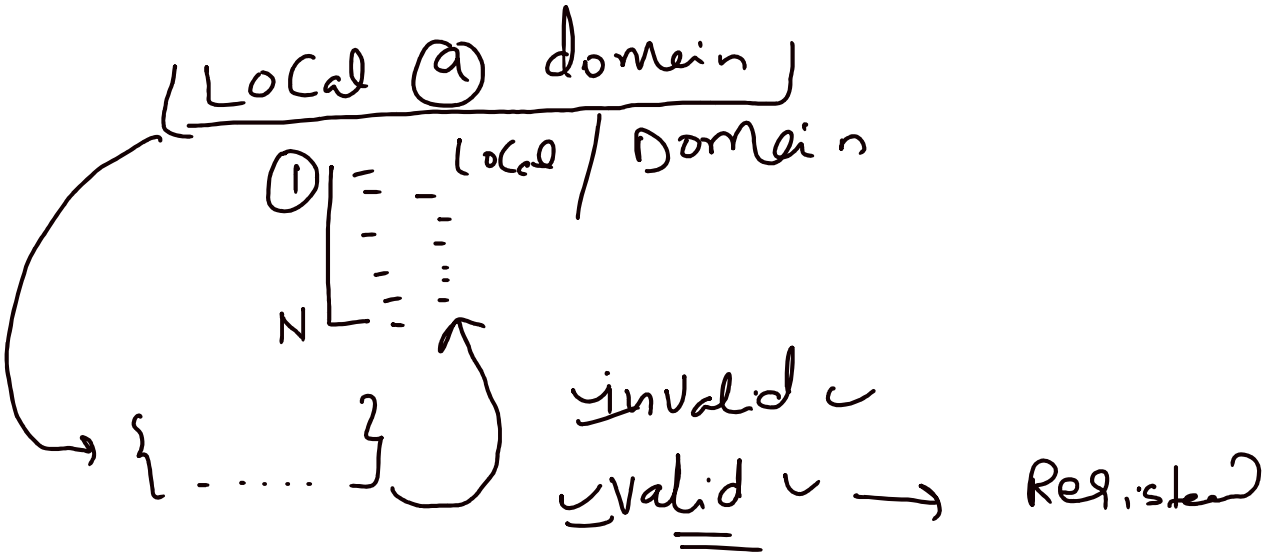
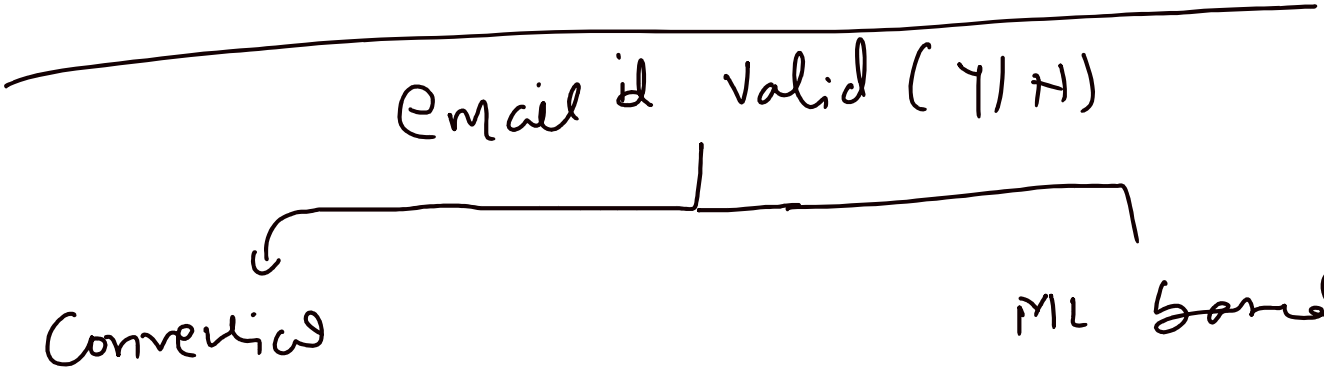
email ⇒ Fixed Stub

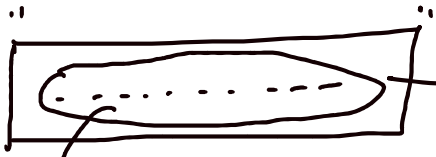





Repository
List of emails
X


Local @ domain
Local / Domain
1
N
{ ..... }
invalid
valid → Registered


Email id valid (Y/N)
Convential
ML based



function (vivek$@abc.in)

{

if ( ) → 1st condion

) special char

else if ( ) . position

{

all if - else ↳ satisfied

↳ valid

any single if (Rule) not satisfied

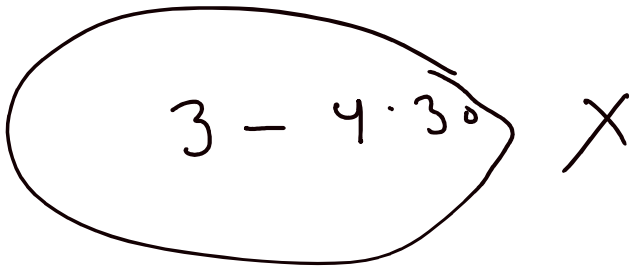
Error: enter Valid email

{ ~~Conv~~ conventional way }

Next class

↓

ML based Soln ⇒



X