Do all the learning } → [IDE / tools } write the actual code]
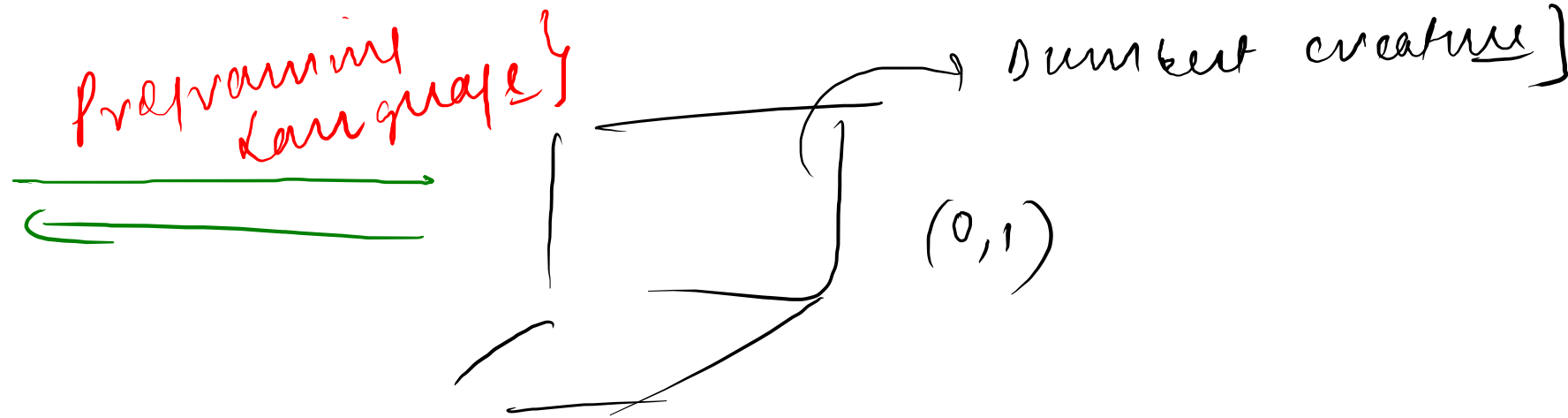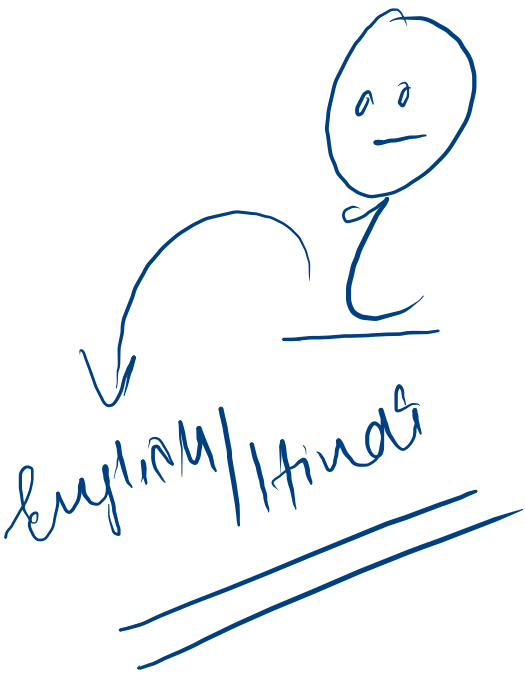
Python }

what ?

why ?

Hello }

what is Python ?

(Programming language)

Hindi

Japanese

English

Programming Languages → Dumbest creature

(0, 1)

English / Hindi
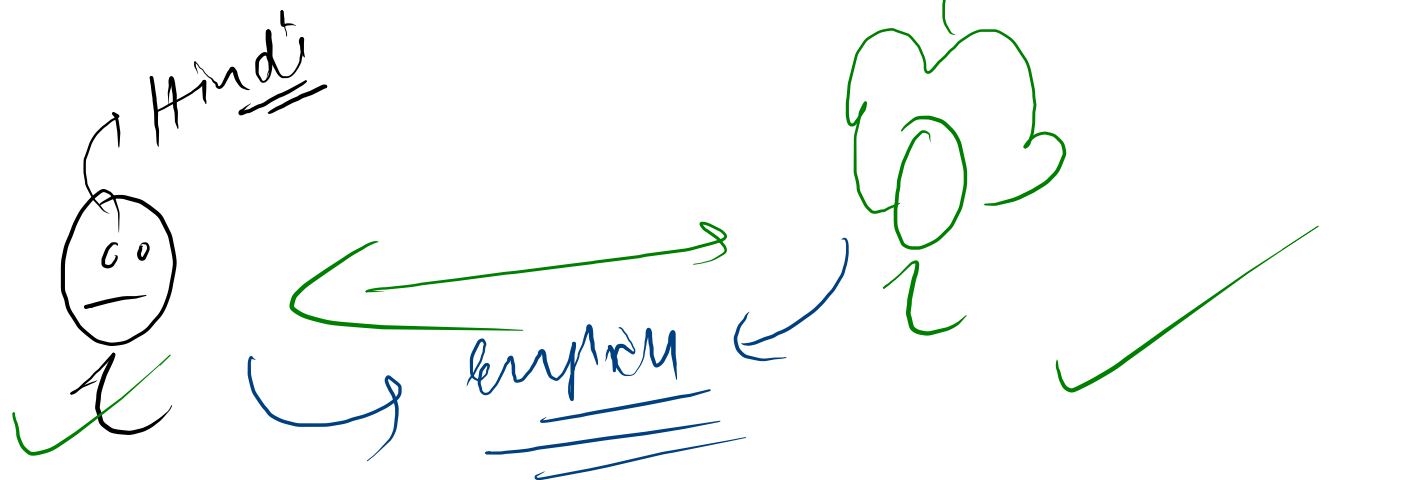
Python } $\longrightarrow$ Programming language)

$\hookrightarrow$ ① Compiled

② Interpreted/ scripting)

😐 →| instruction
(code)

Byte form (01--)
↓ executed

Compiled PL

🙂 → code |→ ① compilation |→ ② Execution happens

(Byte code)
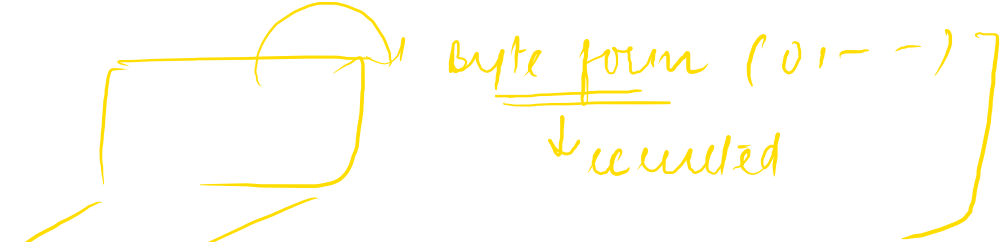
{ C++/Java

Interpreted

🙂 → code |→ Execution

Line by line interpretation and then execution } Check + execution

Python

Domino's

Bell

30 mins → Interpreted PL

take a lot of time
waiting time ↑

② ①
order
→Payments/made → compiled PL

Baking pizza

More efficient / Less waiting time
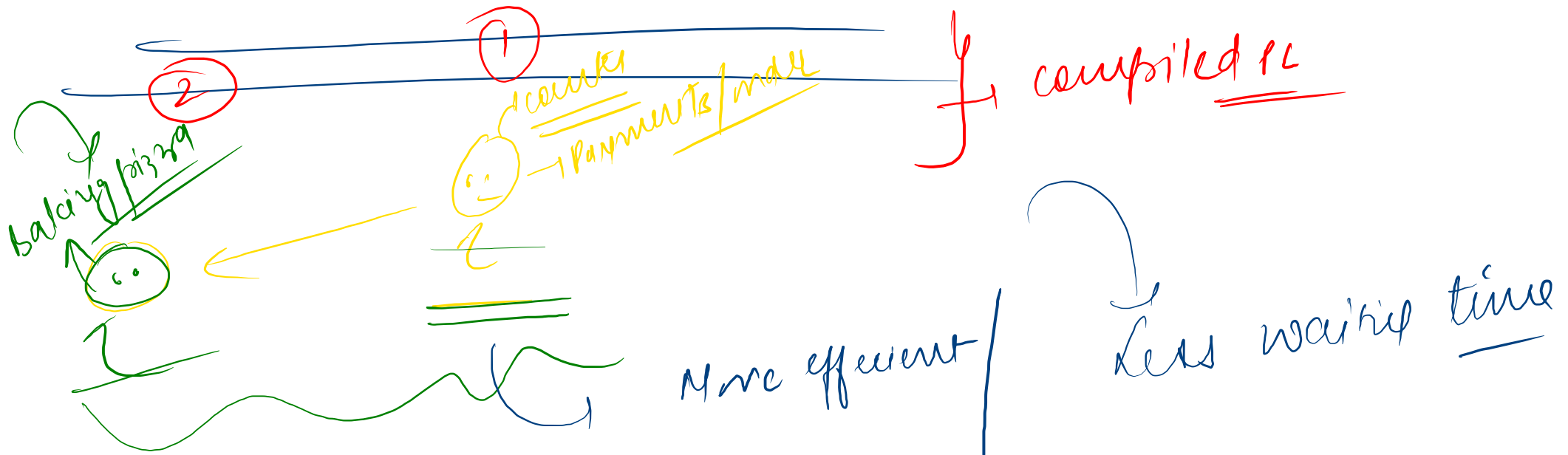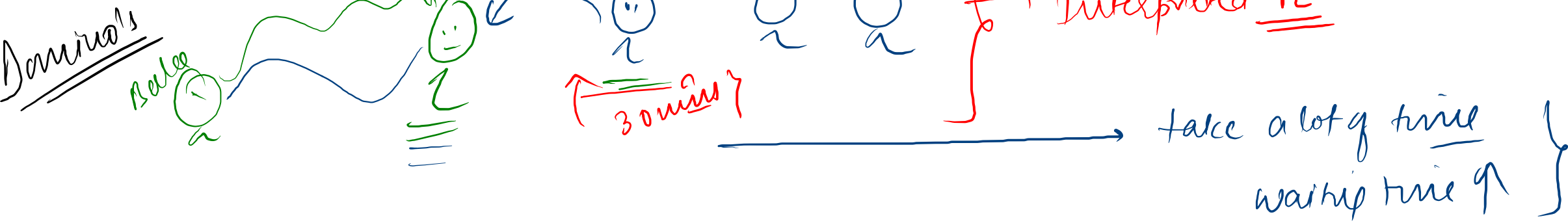
Interpreted PL } comparatively slower runtime compared to
Compiled PL

Python to Interpreted PL
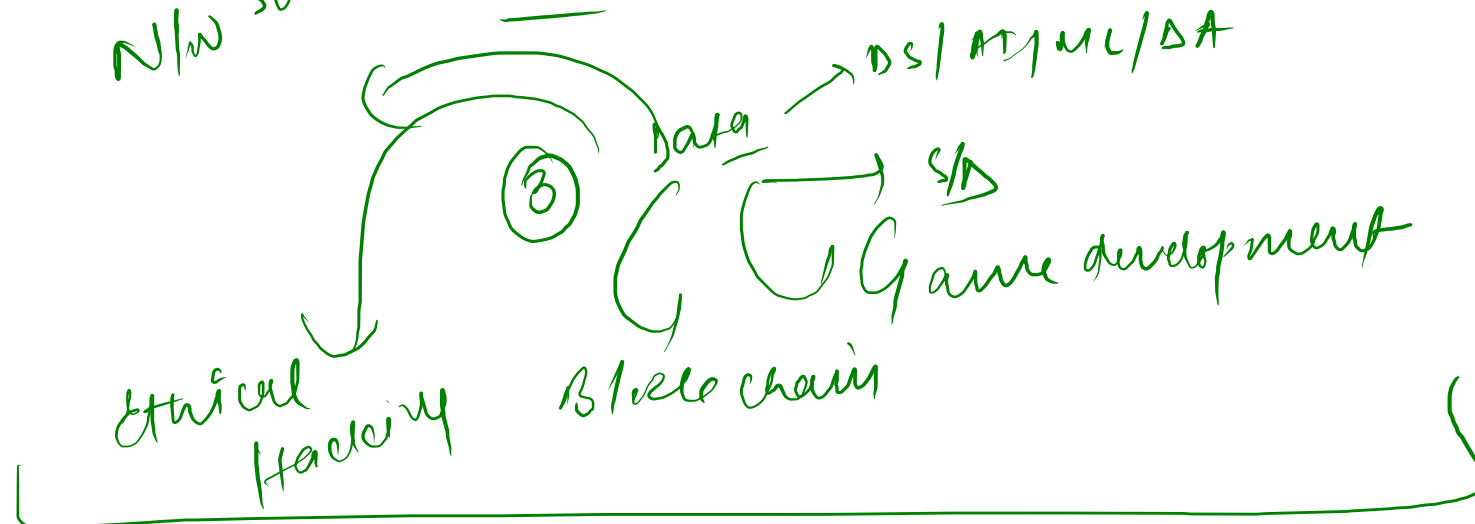
Datascience | AI | GenAI

① Python

what / why ?

N/w scripts

② Very easy

Data → DS/AI/ML/DA

③

S/D

Game development

Ethical Hacking

Blockchain

How ?

Water

↳ atmosphere

↳ right temperature

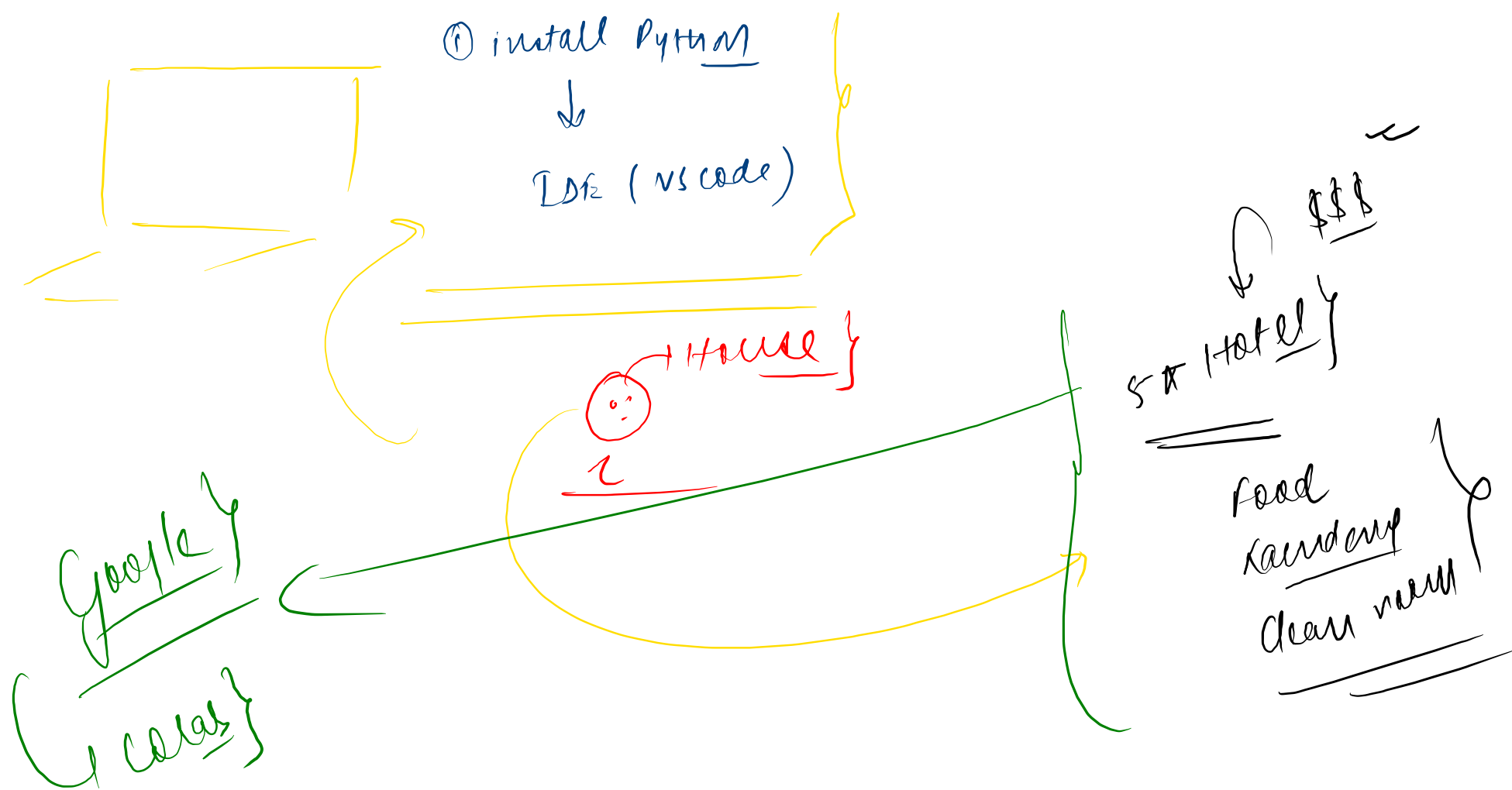(PL) ↳ Run time Environment → **Understand Python**

Python Runtime

↳ Install Python

Java ↳ JRE

C++ ↳
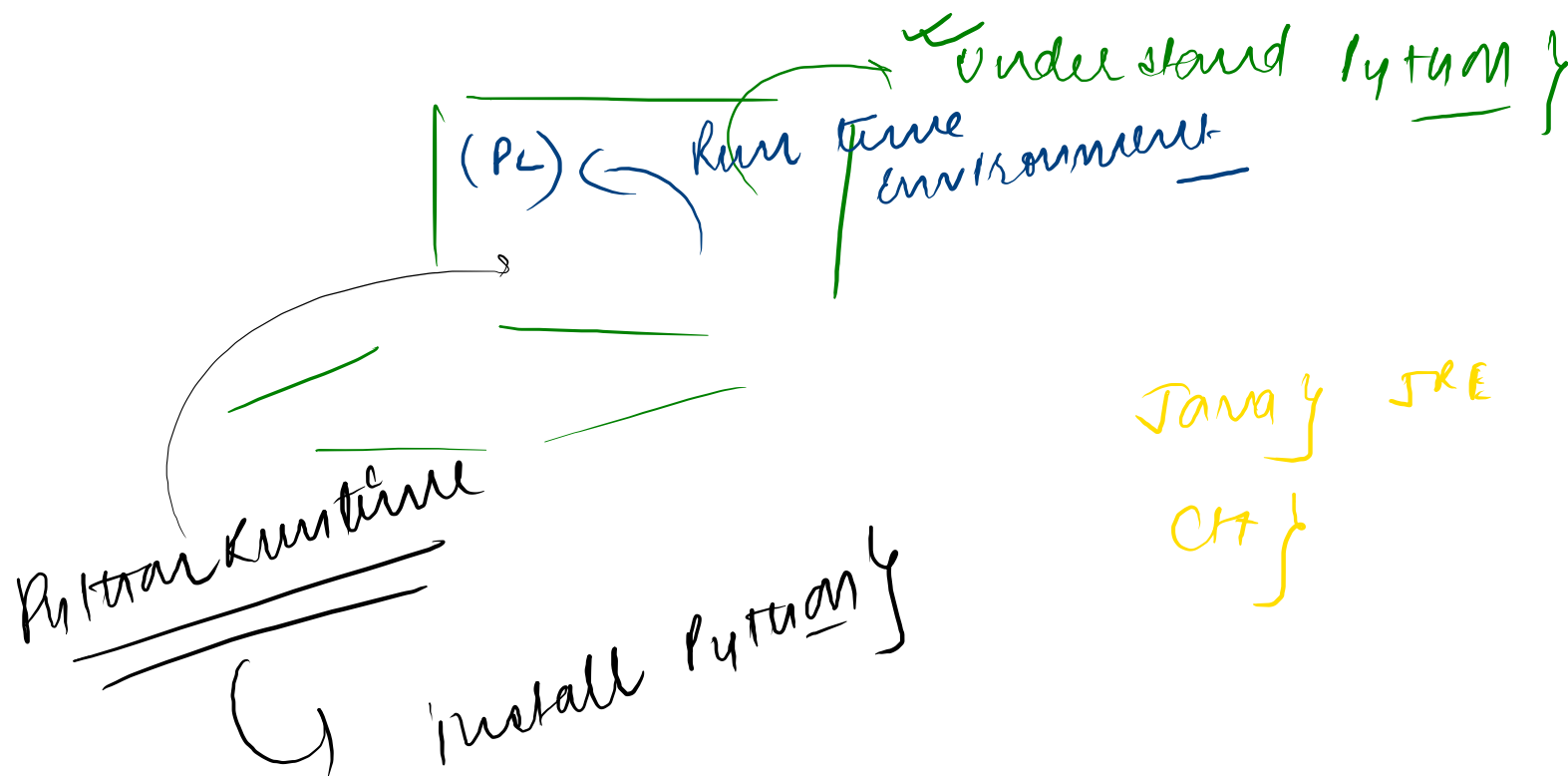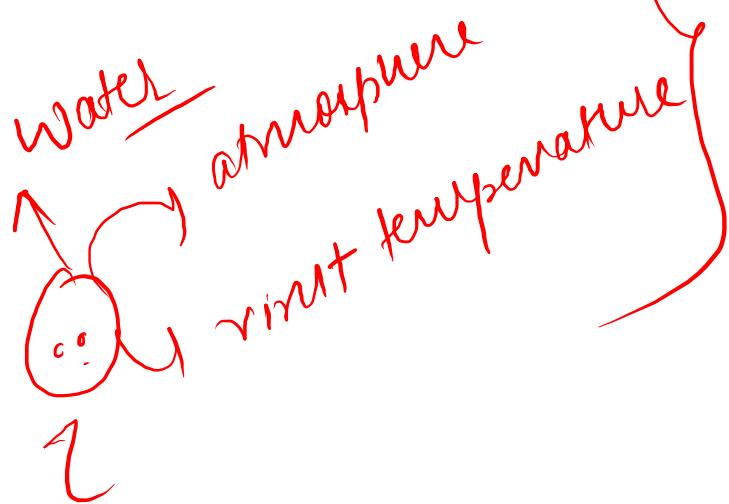
IDE → integrated development environment

① Syntax suggested

② warning

③ Better project structure and access

Vscode

(i) install Python
↓
IDE (vs code)

+ House }

5 ★ Hotel }
$$$

food
Laundry
Clean room

Google }
{ colas }

What
Why

How { → Google Colas }

① Birth → ② Type of → ③ Comparisons → ④ conditionals → ⑤ Loop ↱ for
Python } install   people   operator   ↳ if/else   while
                     datatypes

Travel the world   Challenges/overcome   Relationships   ⑥ Reusability
                                                                    ⑦
Different   Exception   Real world   functions }
situations   Handling   Interaction
inbuilt data   OOP
structures }