

CS & IT ENGINEERING



Programming in C
Chapter -1
Data types and Operators
Lec- 01



By- Pankaj Sharma sir

TOPICS TO BE COVERED



Introduction to Programming -I

Language



Why?

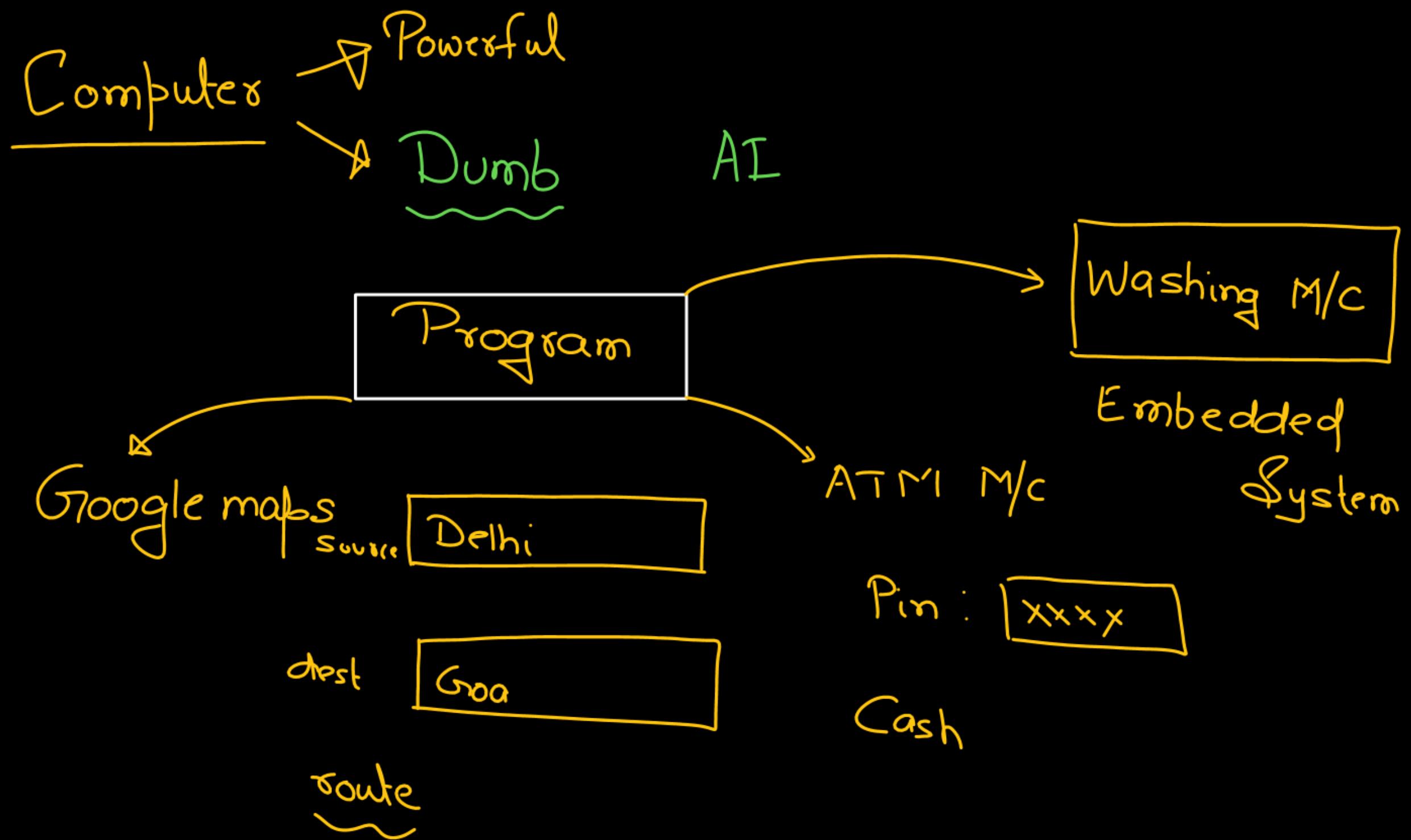


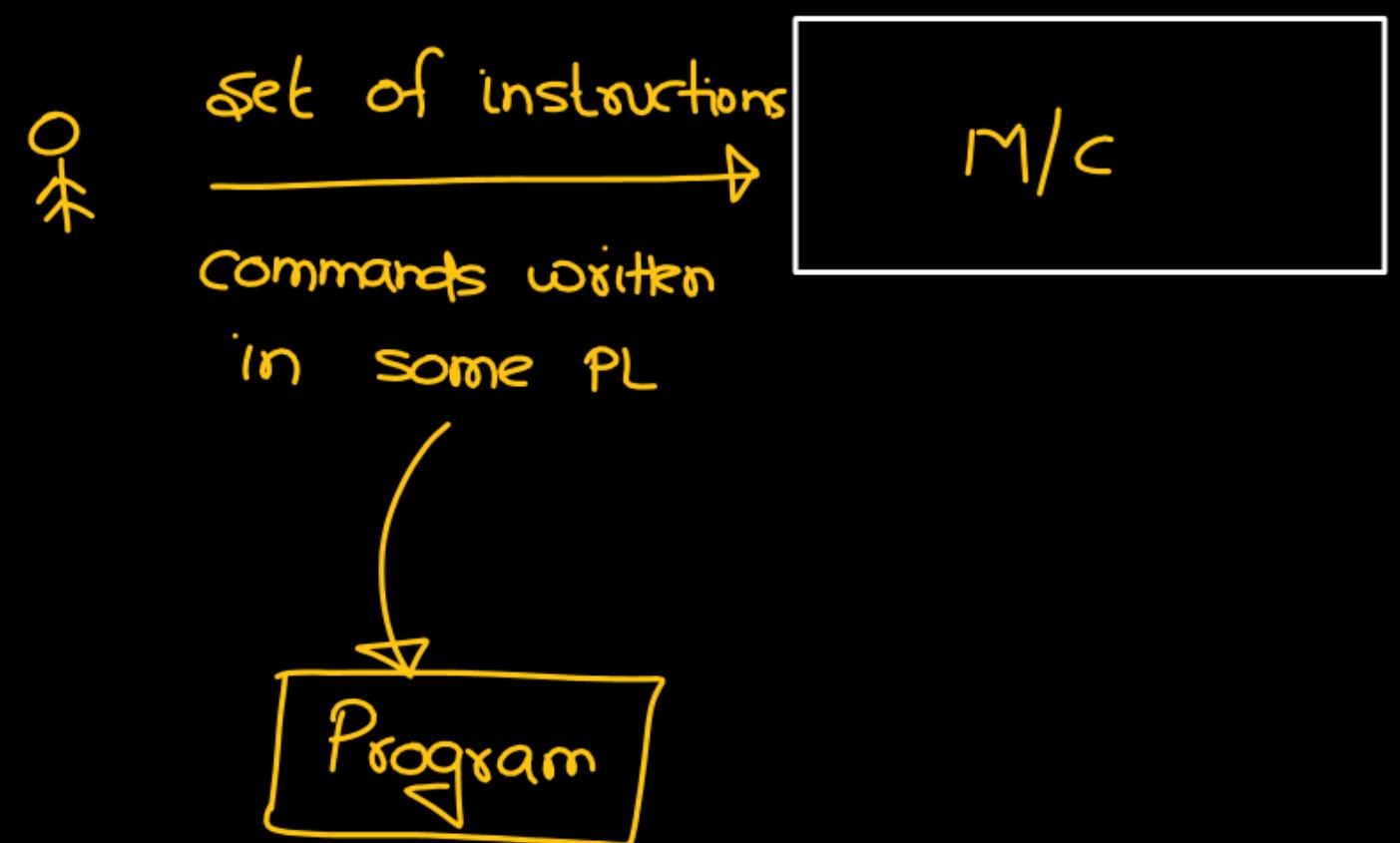
M/C

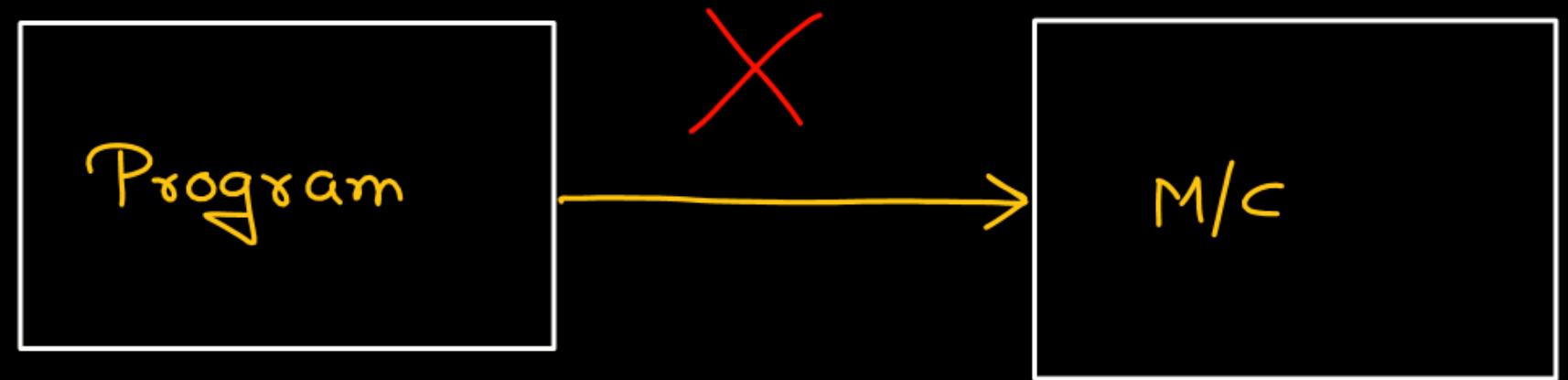
$$31_0 = ?$$

Easy $17^2 = 289$

$$\left. \begin{array}{l} 17389213^2 = ? \\ 173892139713989237^2 \\ = ? \end{array} \right\}$$



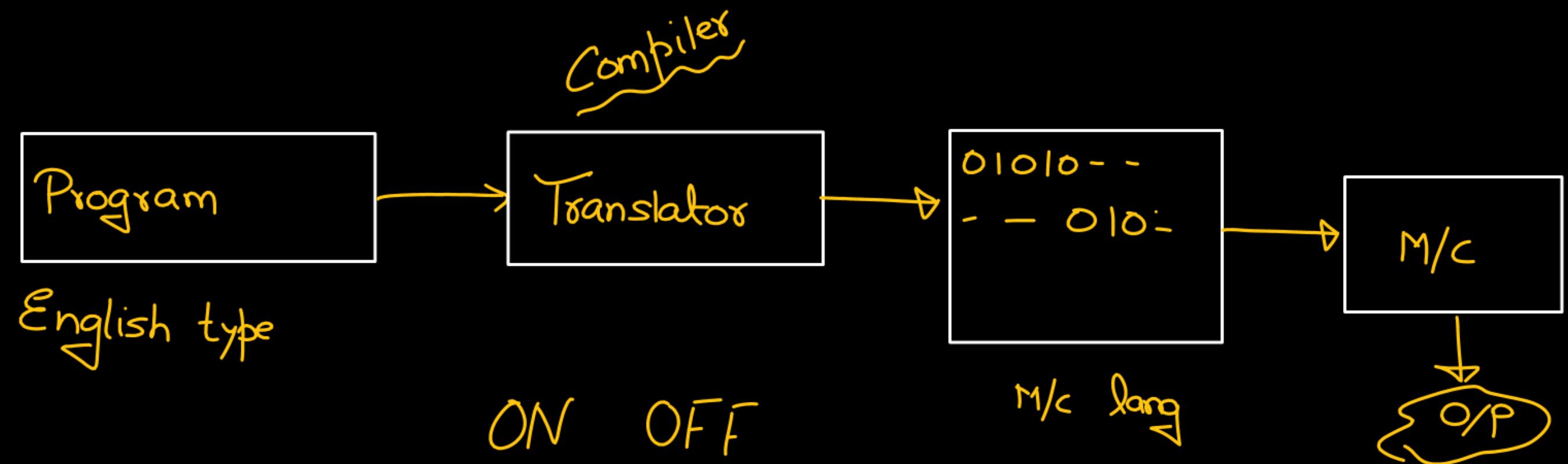




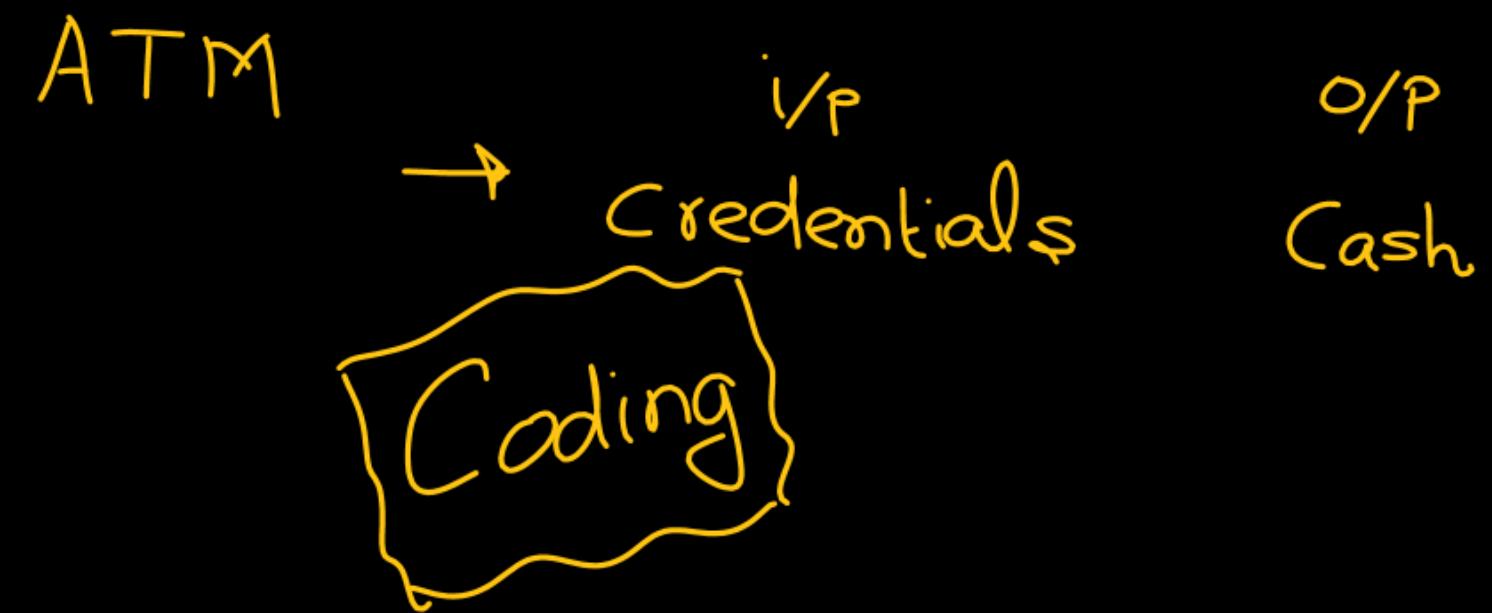
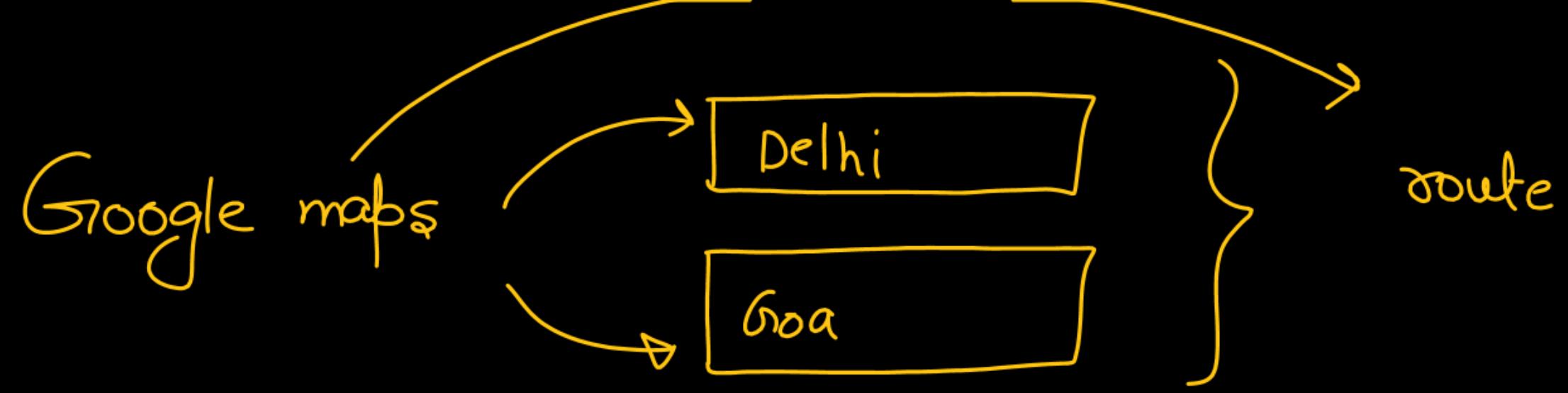
English-type
(Human friendly)

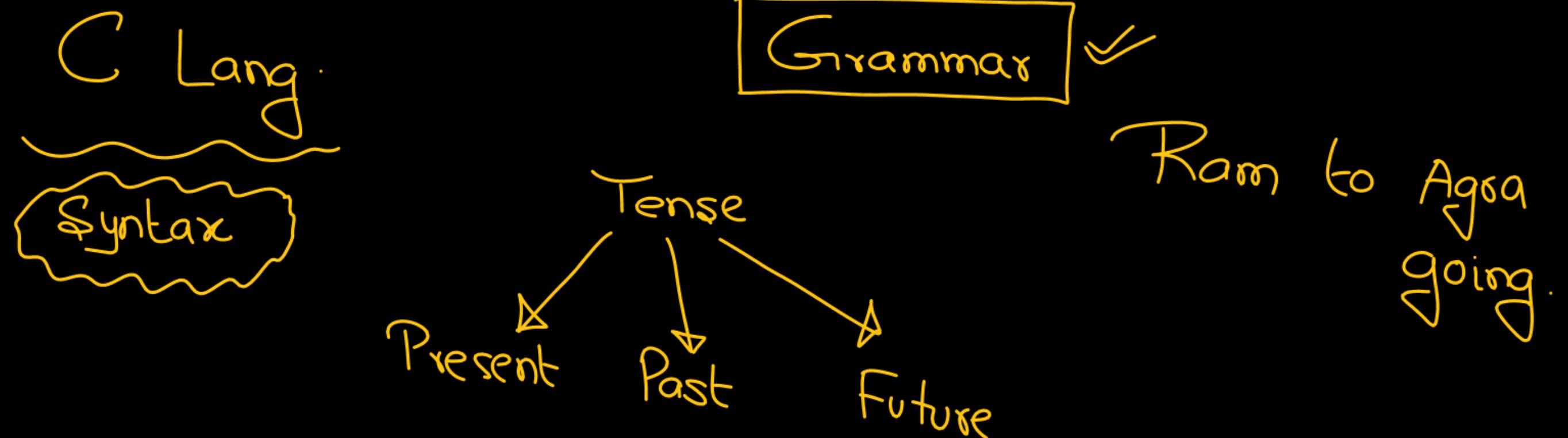
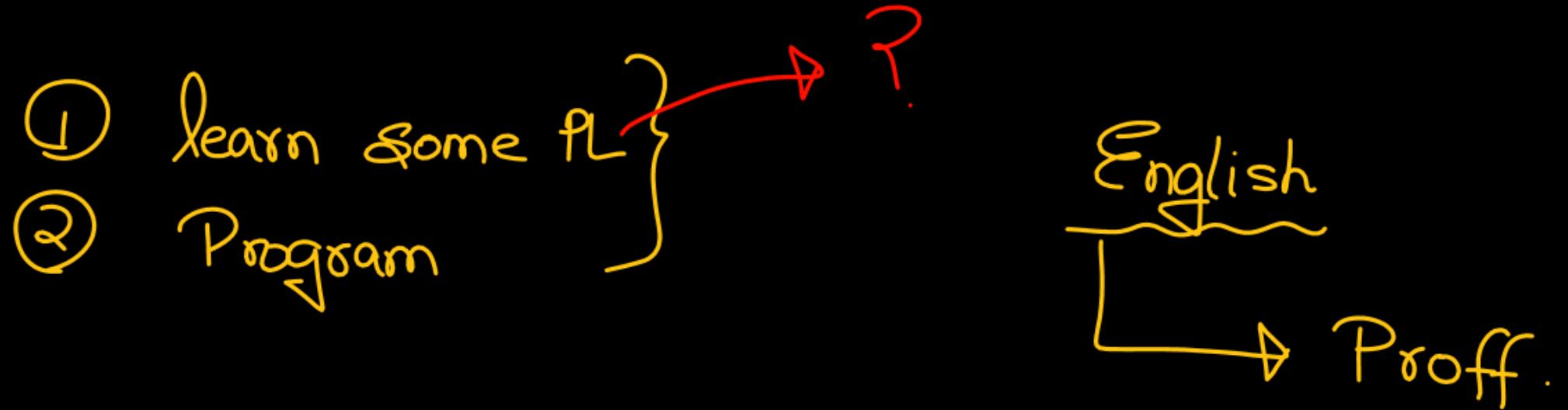
o, 1

Translator



C+DS
10-11





① Structure

To,

—

Sub:

—
—
—
—

—

leave

COME HOME
IMMEDIATELY

Telegram

Post office

void main() {

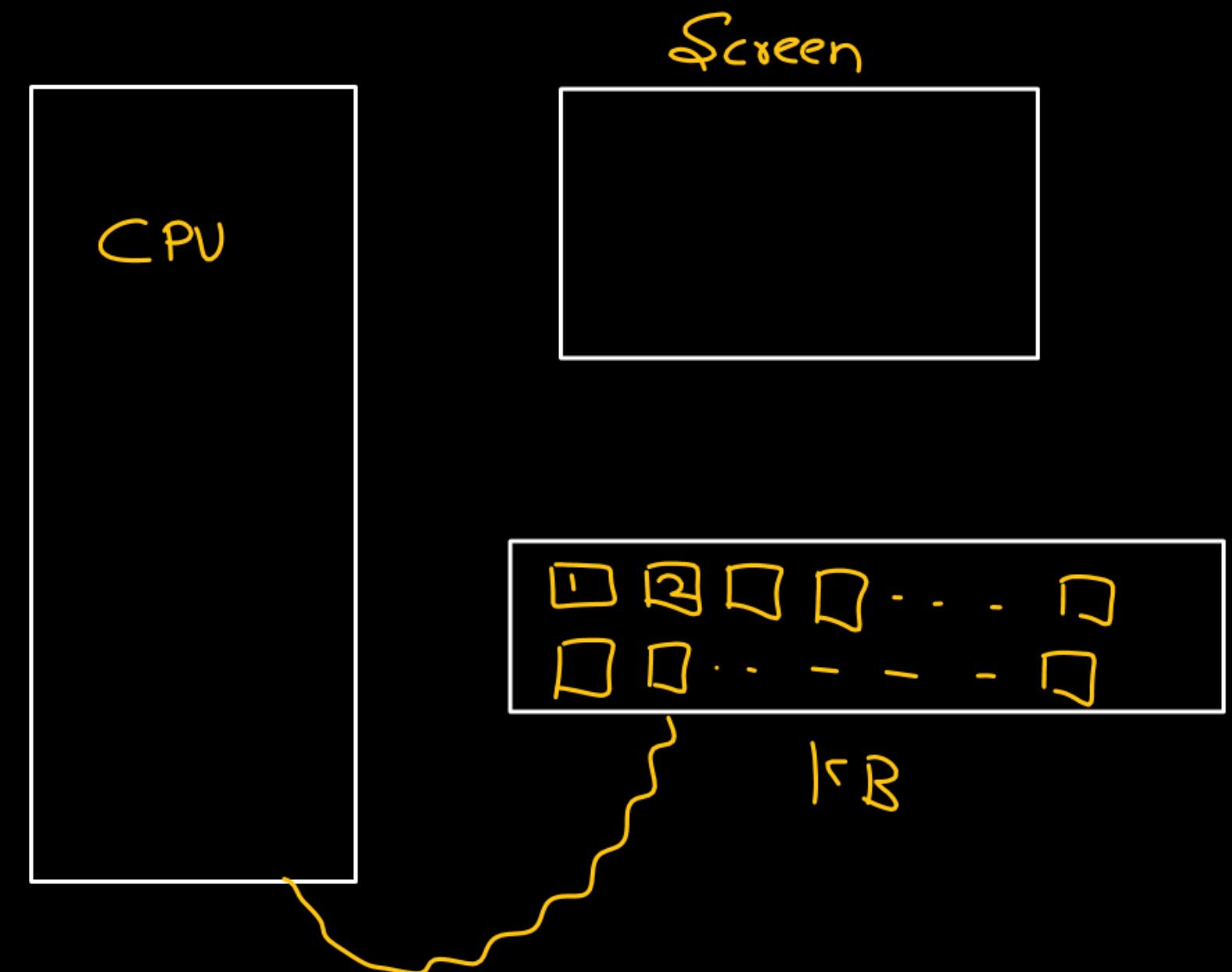
—
—
—
}

Q

i/P :

O/P :

Every PL must have some facility to take/read/fetch input coming from the keyboard.





3) Every PL, must have some facility to print/to give O/P on to the screen.

Is it necessary to learn PL
to interact with m/c ?

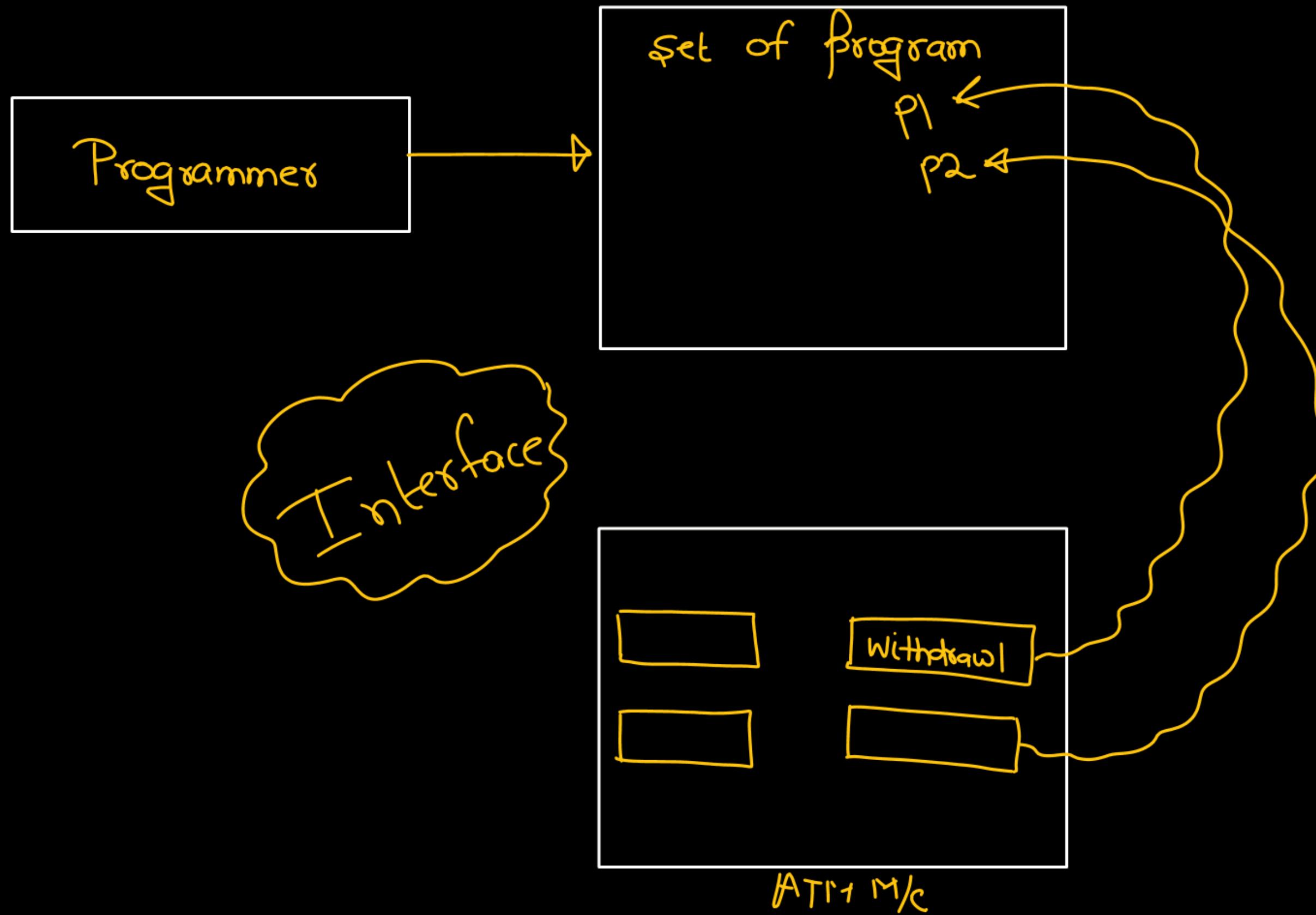
College
→ office

clerk

(i) USER

(ii) Programmer

]



Abstraction →

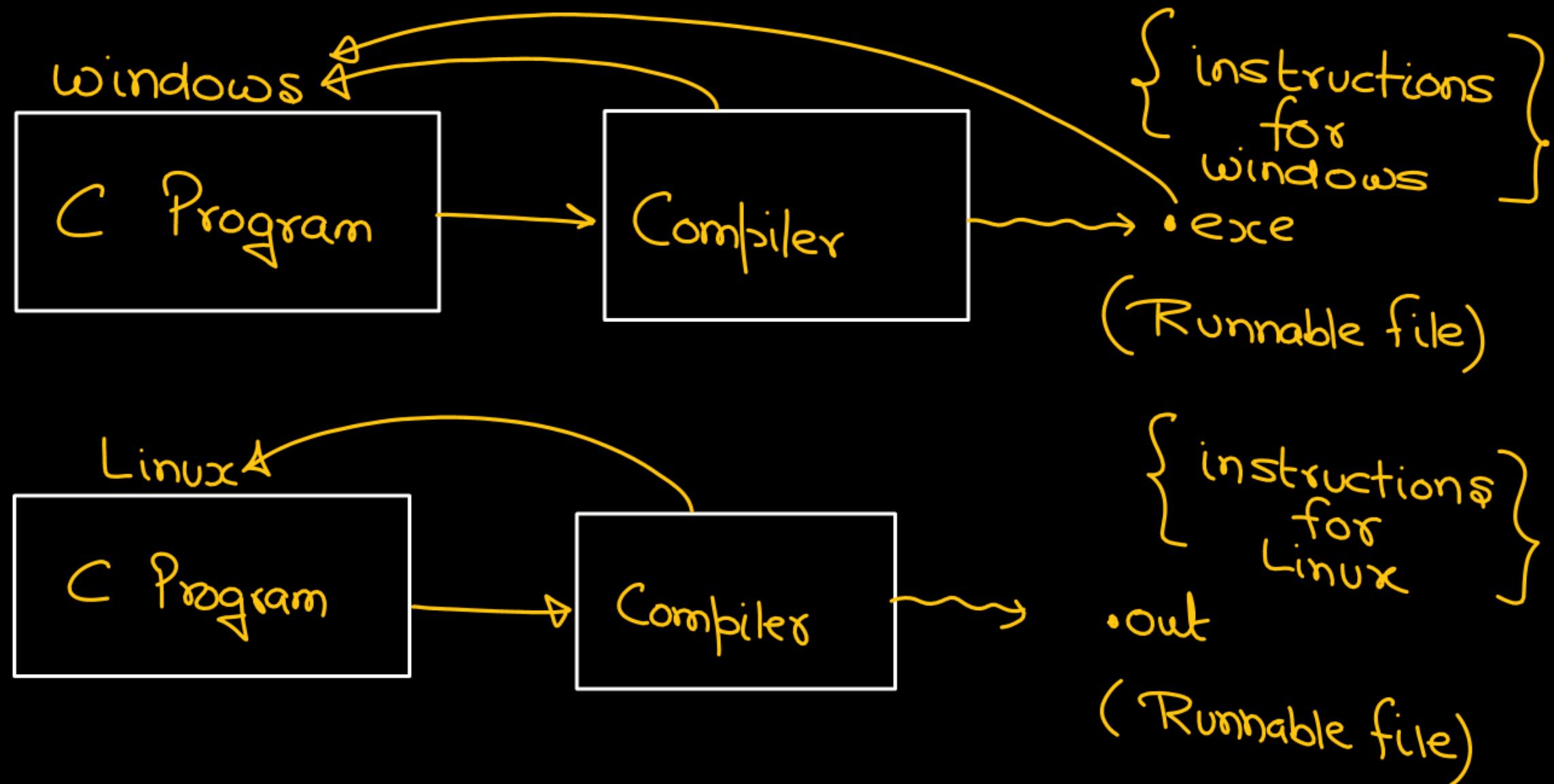
ATM M/c

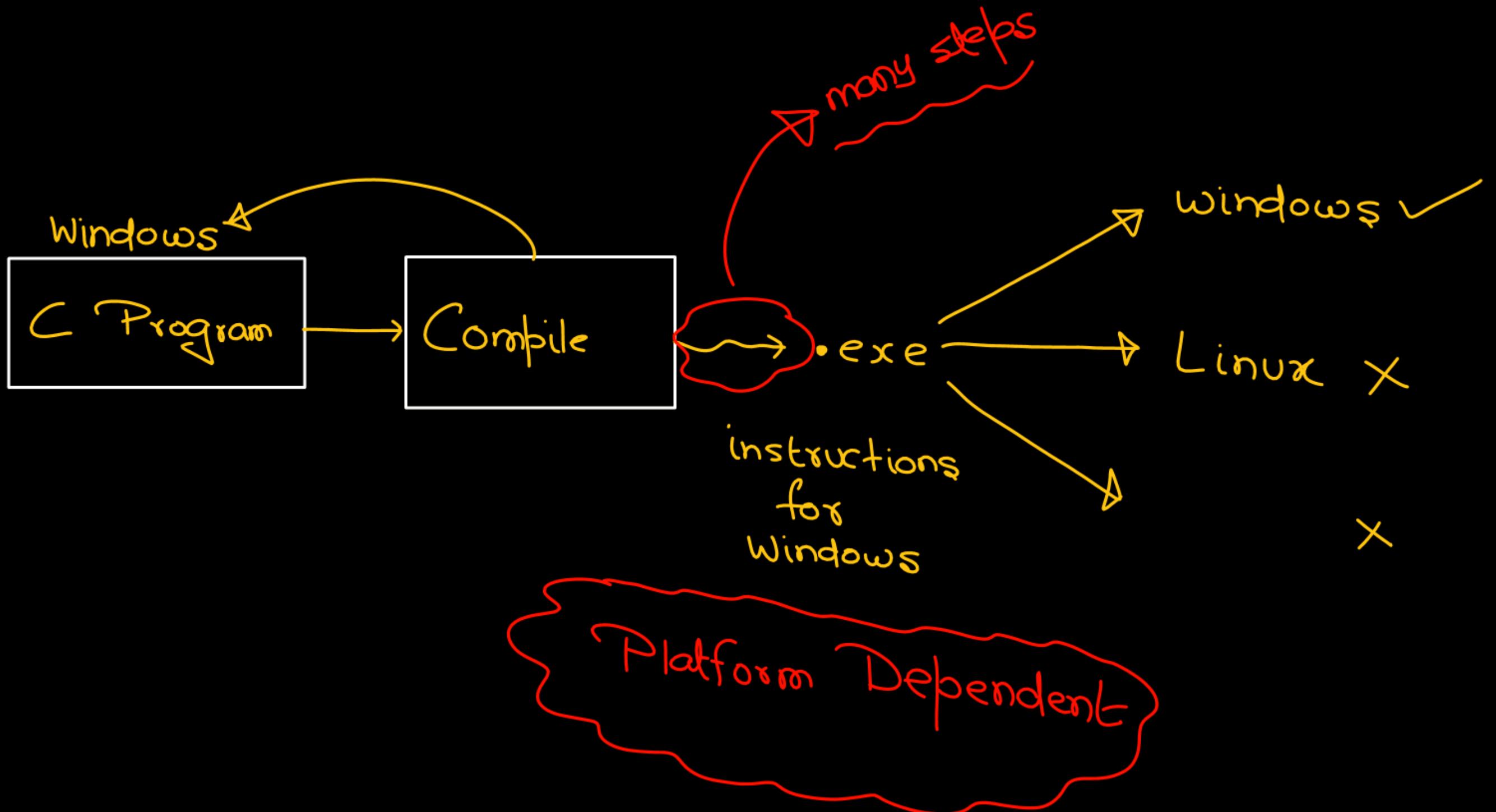
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[TV]

[Bike]

Pankaj Sharma





Presentation → Powerpoint

document  
(.doc) → MS-word

Text  
(.txt) → NotePad

C Program  
.c → C Related  
S/w

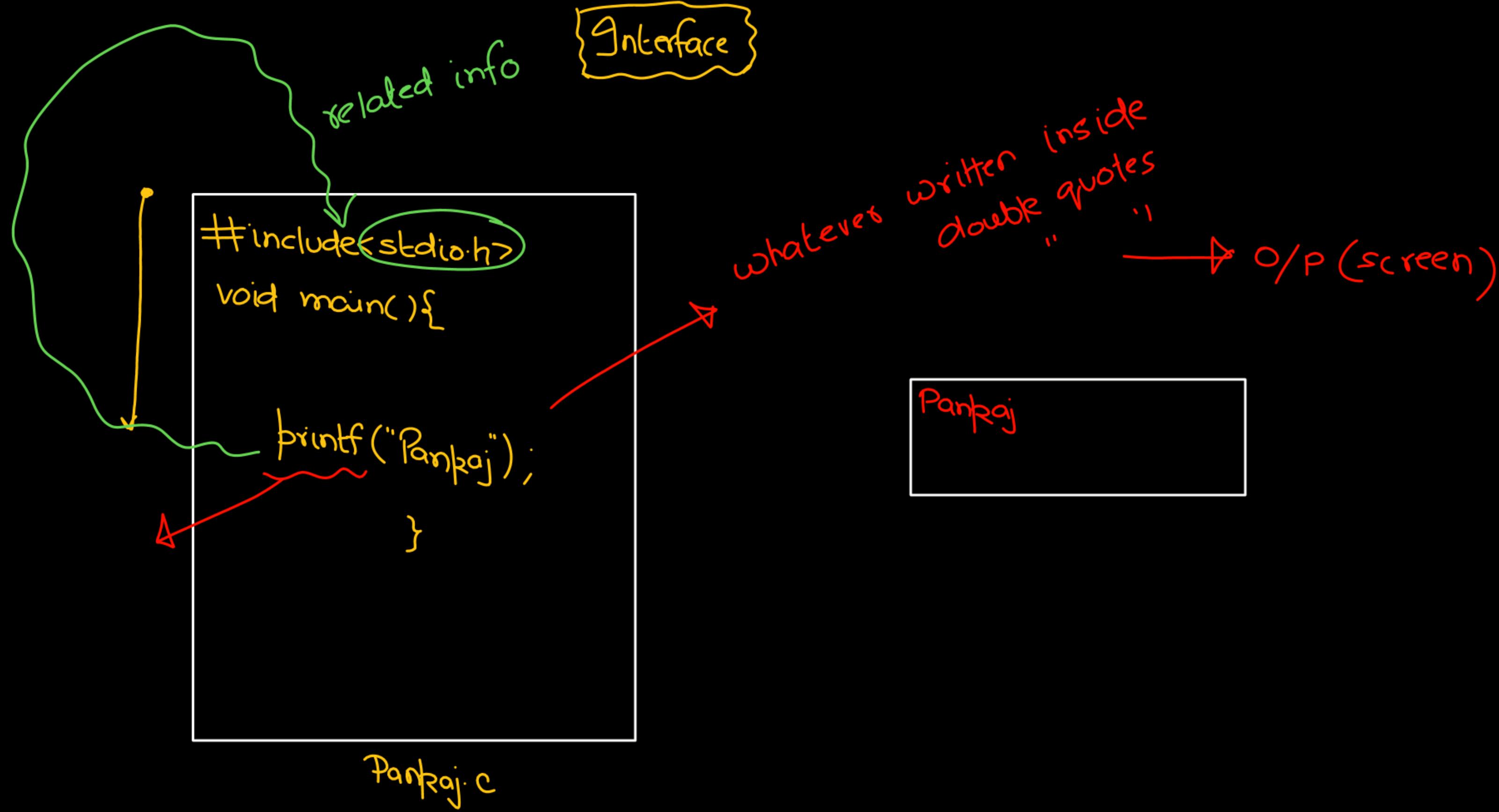
Vs code  
TurboC  
Dev c++  
Codeblocks



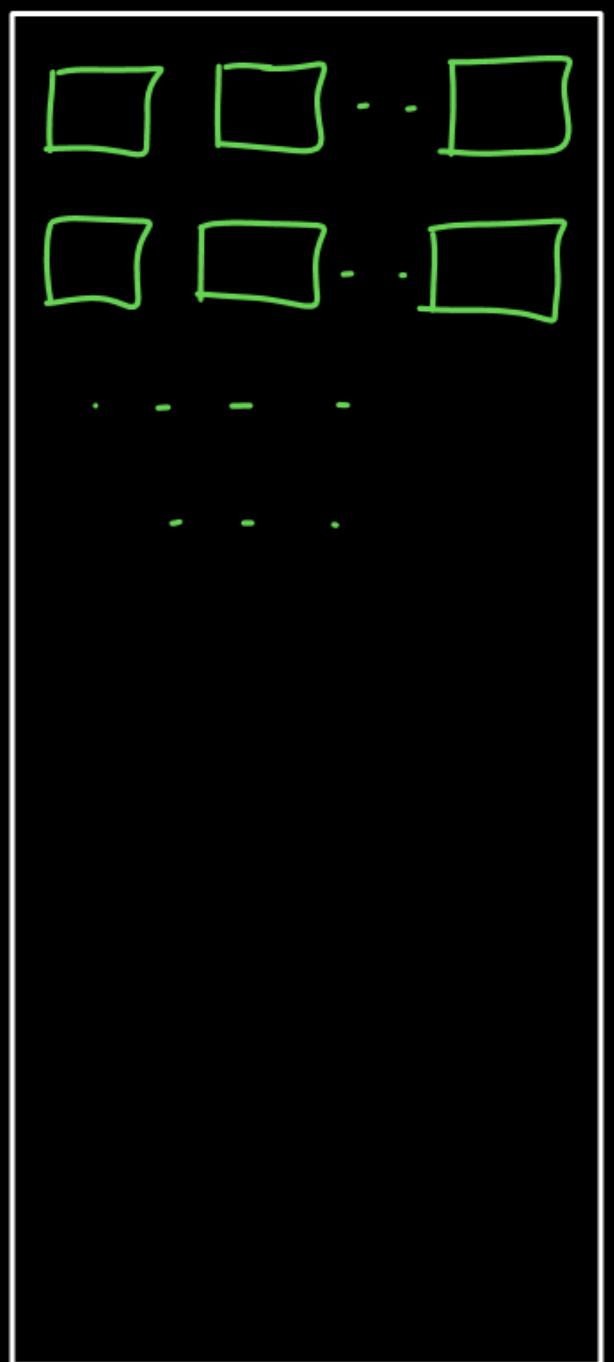
A hand-drawn diagram on a black background. In the center, there is a rectangular box with a white border. Inside the box, the words "Compiler" and "Library" are written in yellow, separated by a plus sign. A checkmark is drawn above the word "Compiler".

Compiler + Library

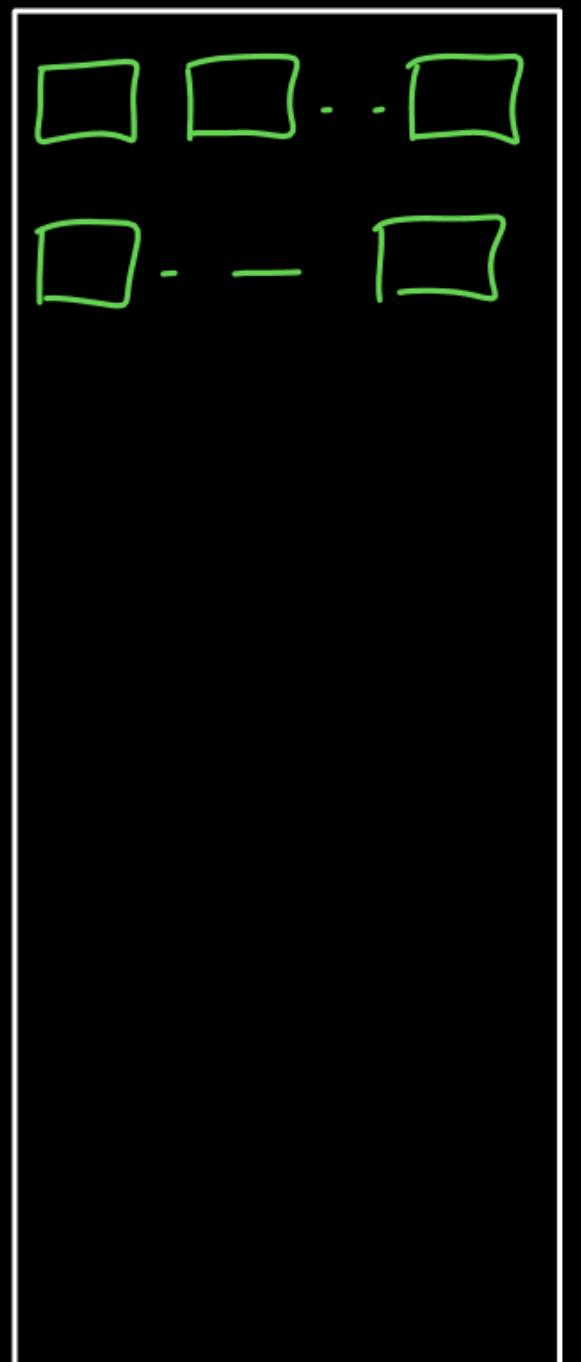
Why Library ?



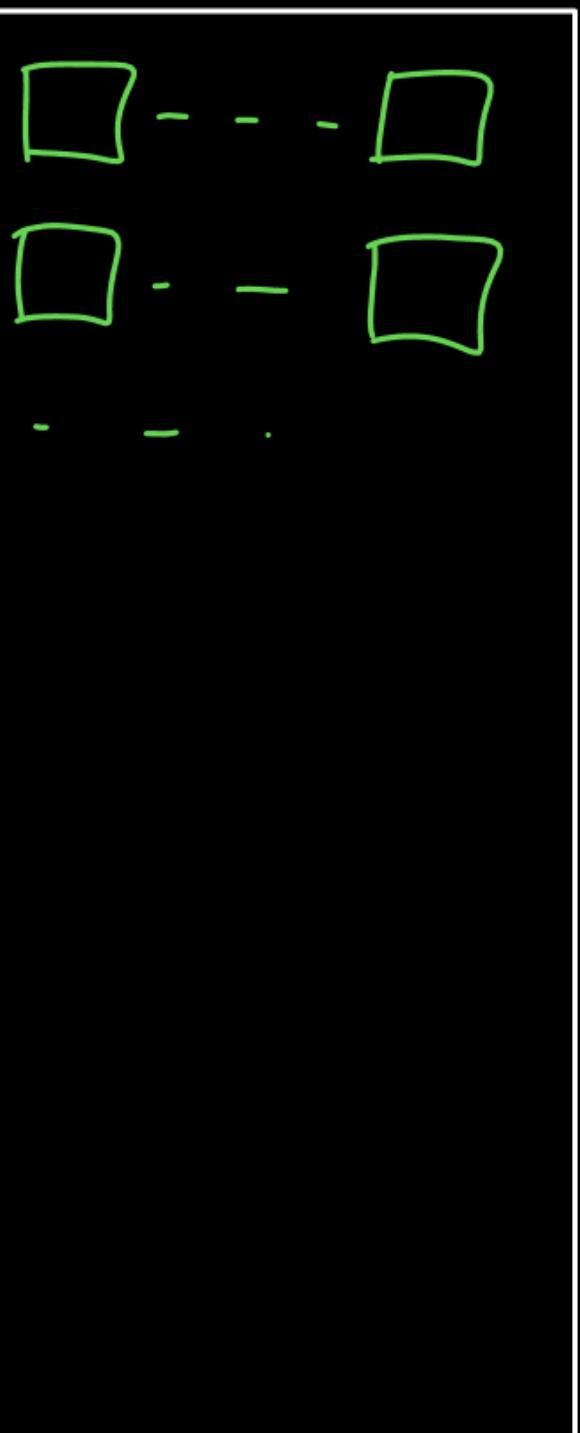
# Library



math.h



stdio.h



3-4  $\Rightarrow$  slow  
12<sup>th</sup>  
10<sup>th</sup>

Jay

bmin  
 $\left\{ \begin{array}{l} \rightarrow \text{books} \\ \rightarrow \end{array} \right\}$

8:30 PM

