

Programming?

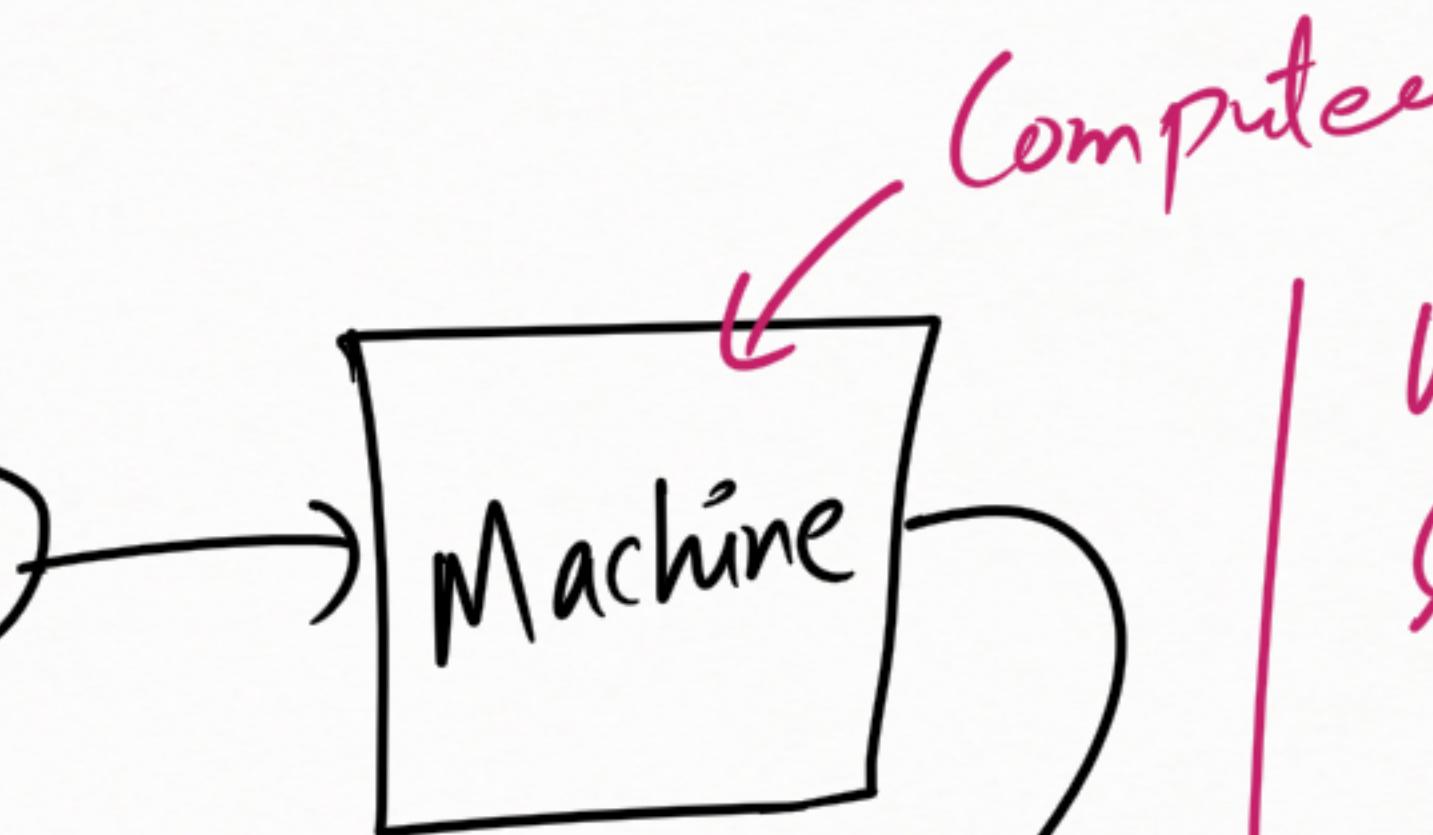
=> Set of Instructions

Waiting ↑

Program?

[50, 100, -30, 70]

Minimum No? => -30



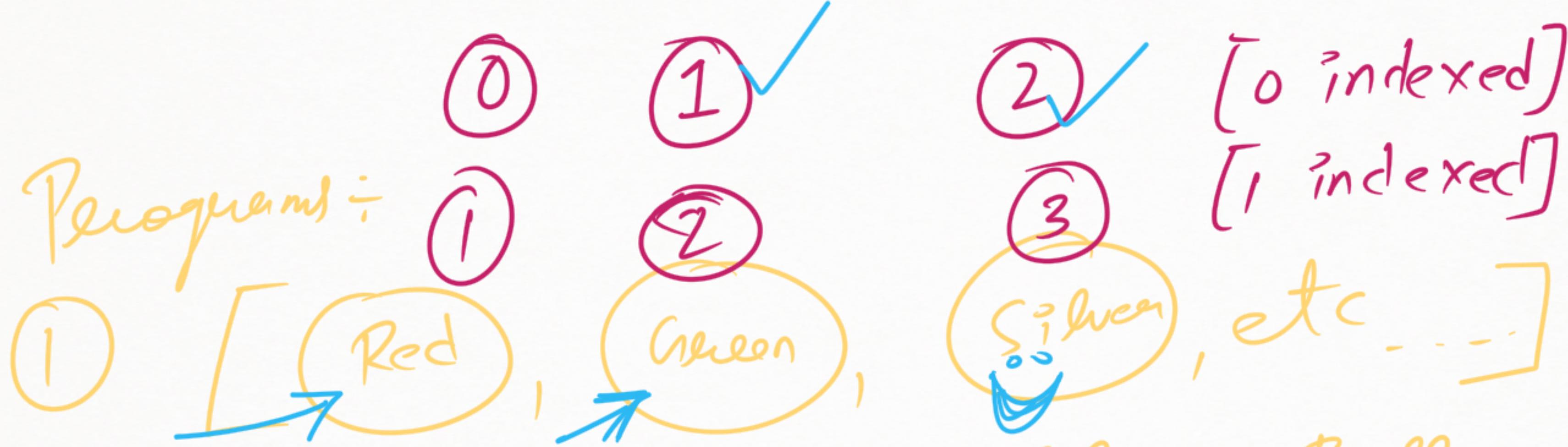
Various kind
of Output

→ Pick a No
→ Compare it with
other no.
→ If it is
lowest ✓

Set of
Instructions?

Programming
language

We need a language to program / to give a set of instructions to the computer.



At what Position Silver Ball
is situated?

3rd Position [1-indexed]

0-indexed 2nd Position [0-indexed]

$$\text{Count} = 0$$

$$\begin{aligned}
 \text{Count} &= 0 + 1 = 1 \\
 (\text{Count}) &= 1 + 1 = 2 \rightarrow \underline{\underline{\text{Ans}}}
 \end{aligned}$$

② $\overset{0}{\underset{i}{[}} \overset{1}{\circ} \overset{2}{\circ} \overset{3}{\underset{-2}{]}}$

Set of Instructions?

$$\text{Count} = 0$$

$$\text{sum} = 0 + 1 = 1$$

$$\text{Count} = 1$$

$$\text{sum} = 1 + 5 = 6$$

$$\text{Count} = 2$$

$$\text{sum} = 6 + 3 = 9$$

$$\text{Count} = 3$$

$$\text{sum} = 9 - 2 = \textcircled{7} \checkmark$$

Python is a Programming language

C++, Java, HTML, C, C#, etc

→ Simple Syntax

- A lot of 3rd Party Data Science libraries are available
- Good Community Support.
- Object Oriented and Interpreted.

python for windows

- Install launcher for all users (recommended)
- Add Python 3.9 to PATH

Remember to tick while installing
why => When we type py / python command prompt / terminal
python codes can be executed directly.

IM talked
3rd Party
library
specifically
for Data science.
=> Anaconda Installation ✓
Python 3.5+ ✓

Python 3.5+ is fine

Jupyter Notebook

- A tool which access Python and can run Python codes.
- It is very good to learn programming and Data Science.

How to install?

In CMD / Terminal => pip install notebook
pip3 install notebook

Check if installed = type Jupyter Notebook in CMD / Terminal