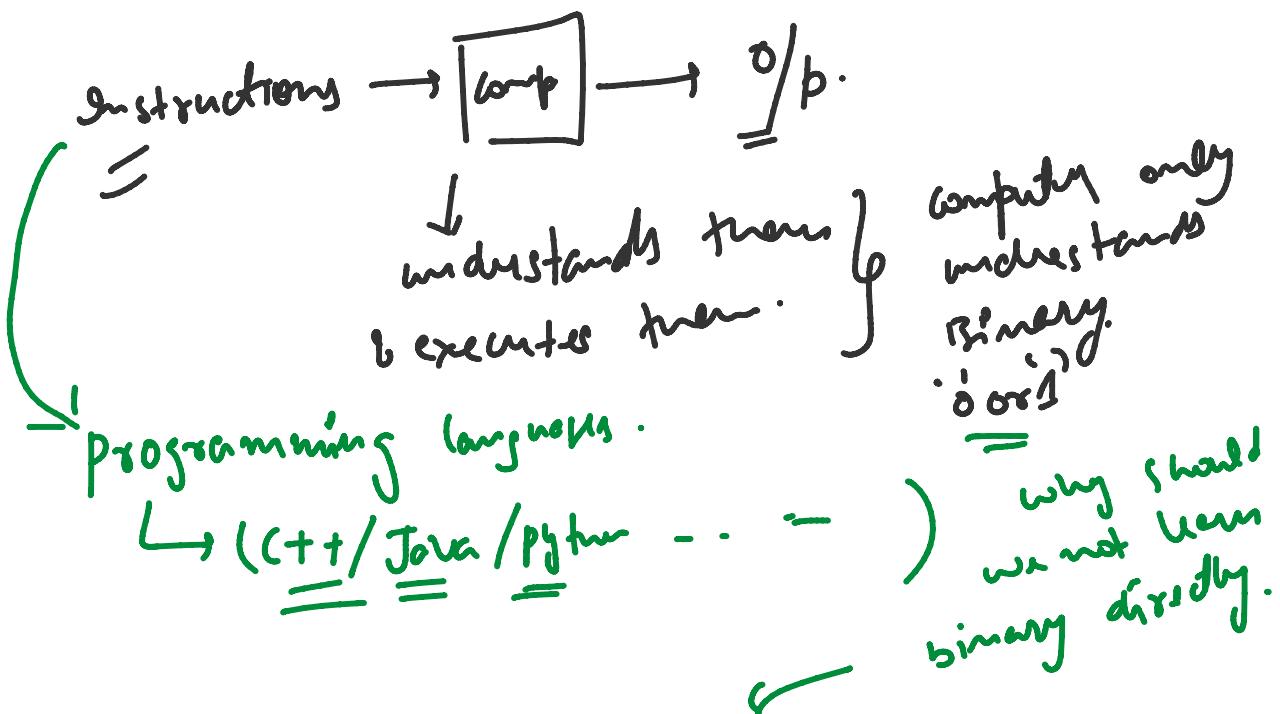


Computers, prog. lang. Basic logic Building.



It is very hard.
↳ let's say that you want to give
instructions in binary.

Add 2 85

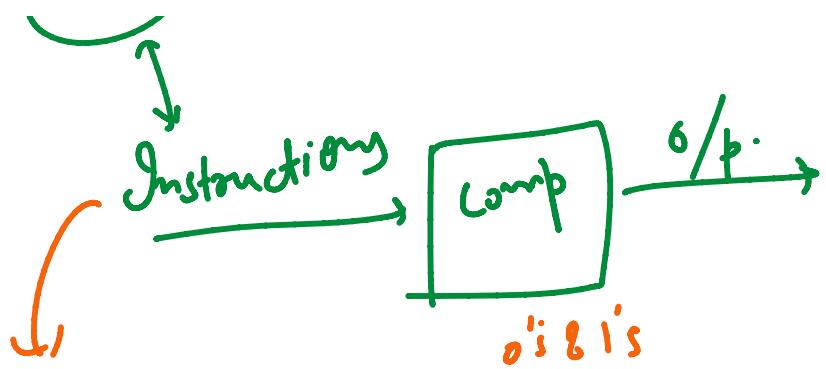
Subtract 783

This won't show any error

It's not wise to learn binary:
we have pros. languages.

That's why we have pros. languages.

C++



We need a translator that translates our C++ instructions into Binary.

Compiler / Interpreter something which can understand very easily and convert high level languages into low level, computer executable instructions.

C++ to binary conversion. Something a computer can understand very easily. → Binary

High level lang. → C++, Java, Python
 mid level lang. → C
 low level lang. → Assembly, Binary, (8086)

Programming language

Motto
 for learning
 problem solving

Send Goal: We can make our problems to be solved by computers.

How to solve problems using computers.

problem solving.

pros

Syntax

problem Solving.

we first must need / able to solve them on our own.

we use 'Algorithms' to solve our problems. Both in human world, as well as computer world.

Algorithm: It is a set of sequential instructions to follow to solve a particular problem. Analogous to recipe in kitchen.

Maggi Recipe → [Reg. Maggi, Container, Data, water, stove, stove, stove, stove]

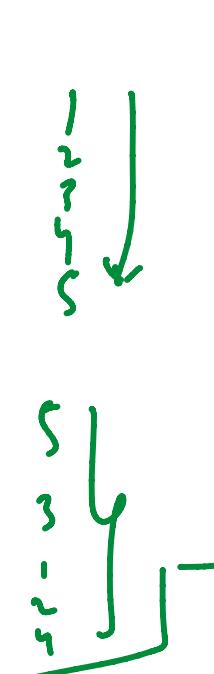
1. Take container pour 2 cups water.

2. Turn on the stove, put container on that stove

3. Put maggi in it,

4. Pour two spoons/ veg into it.

5. And stir for sometime.

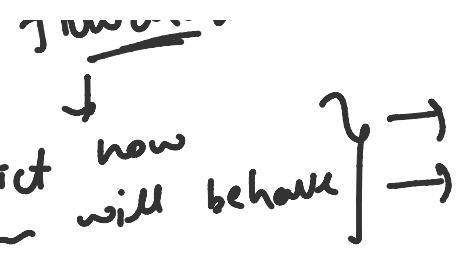
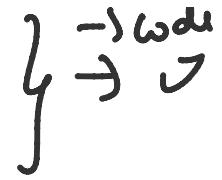


Rules to Depict our Solution / Algorithms
Ways

Flowchart

Pseudo Code

→ Wd → Wd

5  

Depict system $\xrightarrow{\text{new}}$ will behave $\xrightarrow{\text{now}}$ $\xrightarrow{\text{new}}$ $\xrightarrow{\text{new}}$