L1

Introduction to flowcharts & pseudo-code

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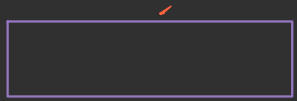
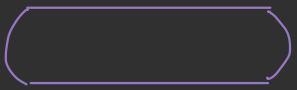
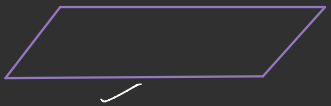
Intro to flowcharts

flow

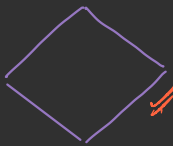




start & end

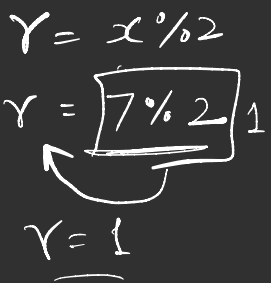


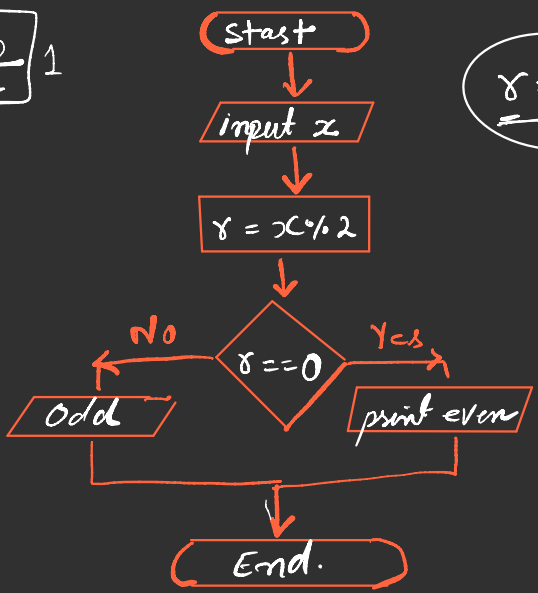
Input & output

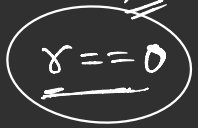


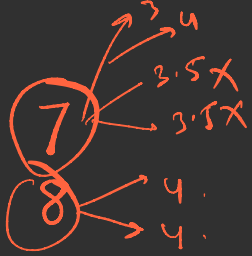
decision

Let's draw a flowchart for Finding even & odd number









7 % 2 = 1

7 = 3 * 2 + 1
q r

17 % 3 = 2

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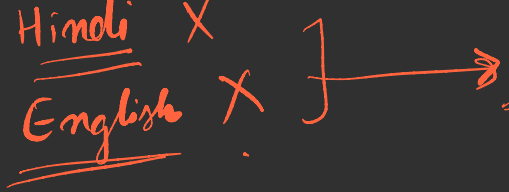
Intro to Programming

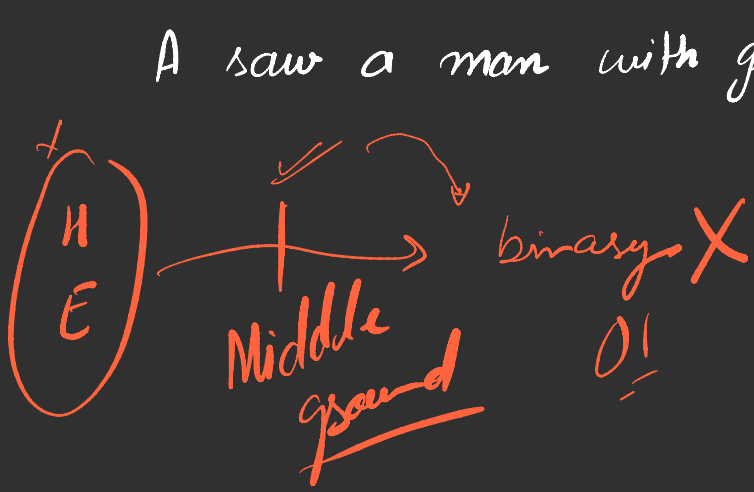


0
1

binary

high V	low V
Yes	No
T	F
1	0

Computer is like a dumb friend

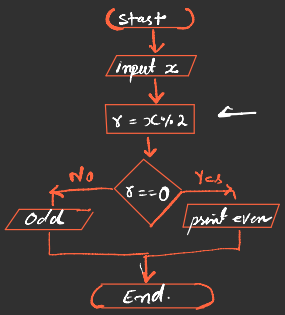


What are instructions ?

Set of instructions are called program.

Writing Instructions for Questions

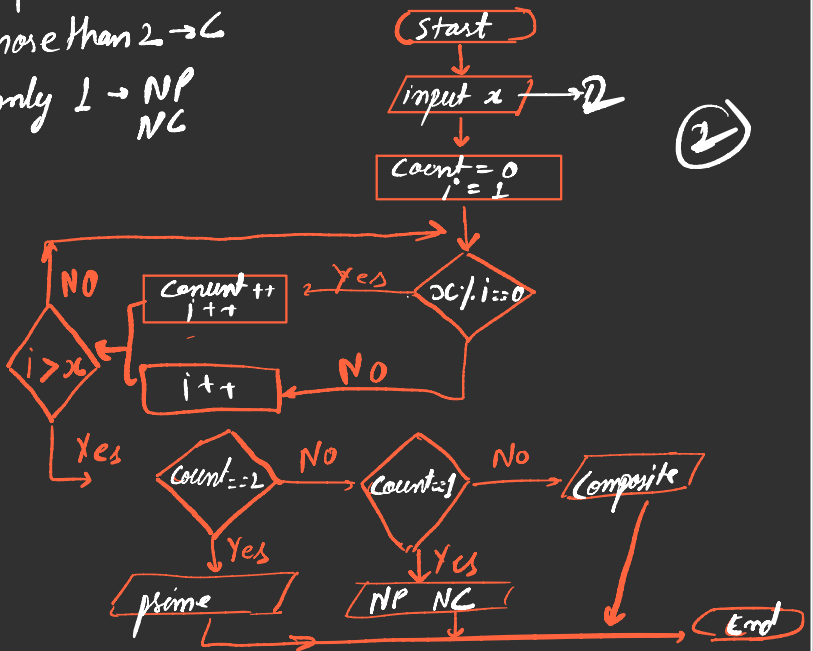
Let's draw a flowchart for Finding even & odd number



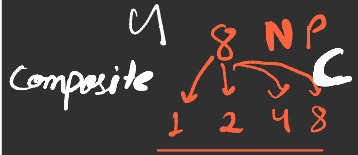
1. Start the program
2. Take input a number x
3. Calculate x%2 (remainder when x is divide by 2).
4. Compare remainder with 0, if its 0 then go to step 5, otherwise go to step 6.
5. Print even on the screen
6. Print odd on the screen
7. End the program.

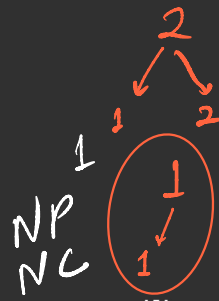
Prime Check

2 factor → P
more than 2 → C
only 1 → NP
NC

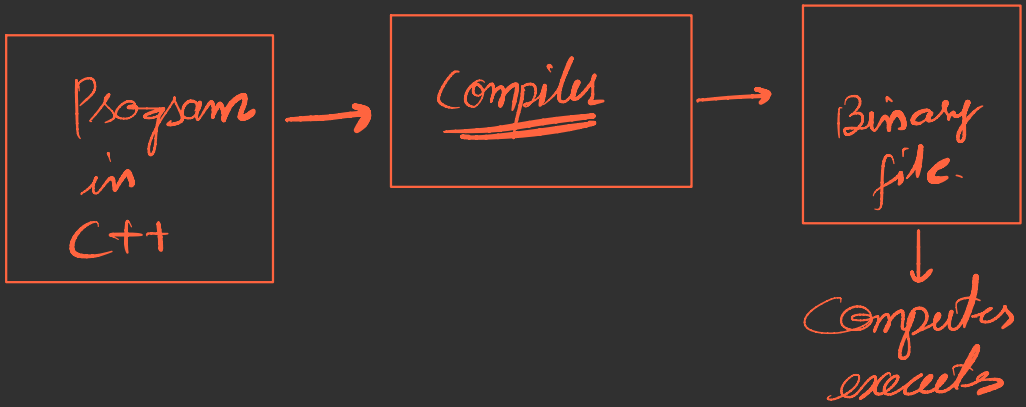


(2)



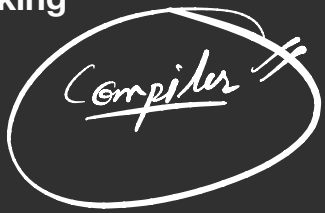


Binary Language



Programming Language

Understanding about execution of program & basic Compiler working



Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE, PRACTICE!