

Introduction to Programming Basics

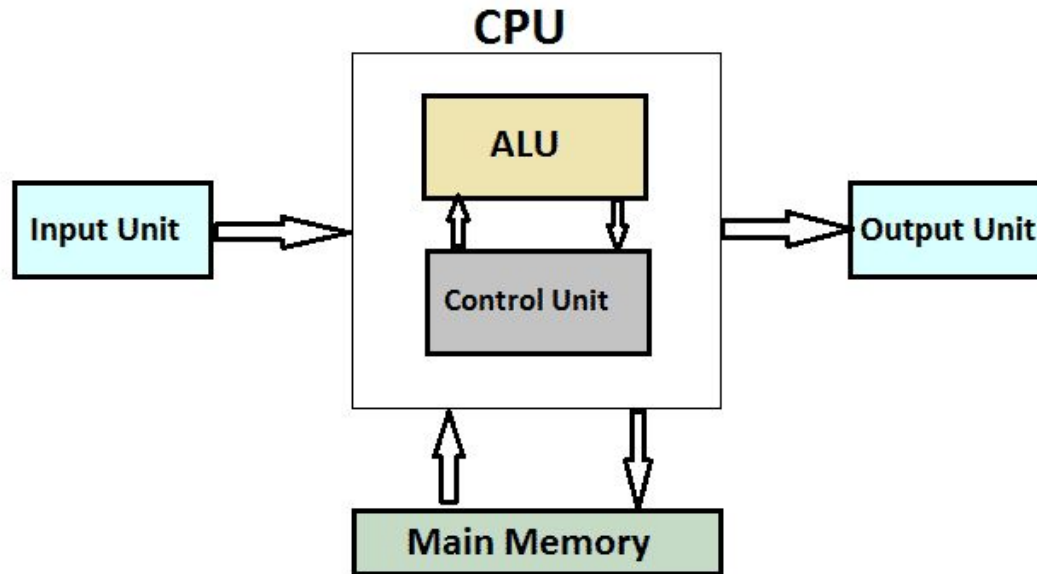
~ Selvamani

A light blue triangle is located in the bottom right corner of the slide, pointing towards the top right.

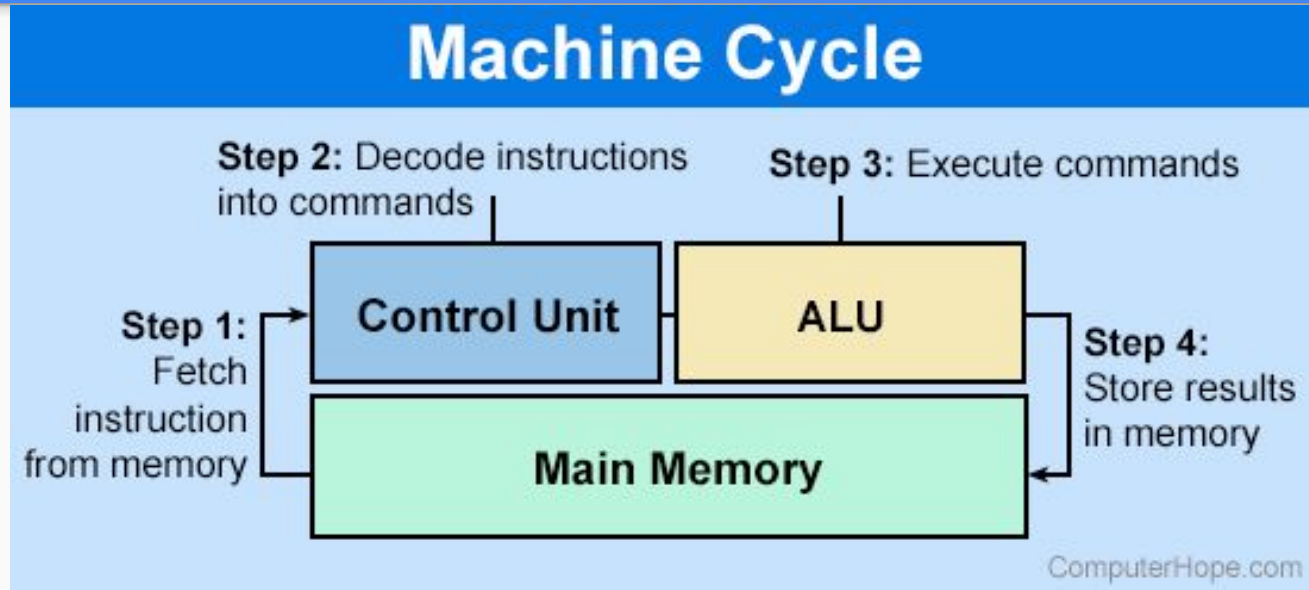
Agenda

- Recap
- Input and Output Devices
- Process/ Computation
- Programming
- Algorithm
- Psudocode
- Functions, Conditions, Loops
- Game

Process

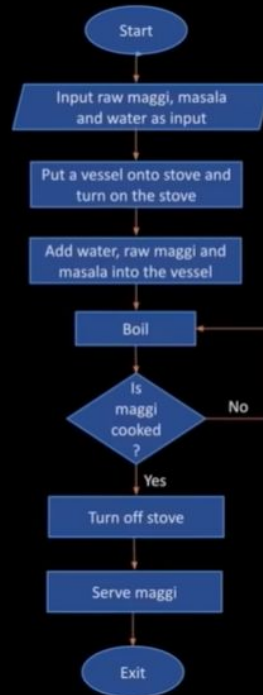


Process



Algorithm

How to make Maggi?



1. Start
2. Take raw maggi, masala and water
3. Turn on the stove
4. Put a vessel on stove
5. Add water, maggi and masala to vessel
6. While maggi is uncooked do
 Boil
5. Turn off stove
6. Serve
7. Exit

Programming

- Set of Instructions written for computer to finish a certain task

Pseudocode

Pseudocode

1. Start
2. Input 2 numbers
3. Calculate $\text{Sum} = \text{number1} + \text{number2}$
4. Print Sum
5. Exit

Functions, Conditions, Loops

```
1  Pick up phone book
2  Open to middle of phone book
3  Look at page
4  If person is on page
5      Call person
6  Else if person is earlier in book
7      Open to middle of left half of book
8      Go back to line 3
9  Else if person is later in book
10     Open to middle of right half of book
11     Go back to line 3
12 Else
13     Quit
```


Game

<https://notes.newtonschool.co/block-games/duck-ball>

All the best for assignments