



CPU: central processing unit.

Note: the "language" of the CPU is not very friendly for humans: consists of many "tiny" instructions, e.g.

add 7 to memory address 0x77fe
mov contents of register rax
to memory address 0x9ah9...

Main memory: giant list of numbers.

Main point: hardware operates at a very different level of abstraction than our consciousness.

How to bridge the gap?

Programming languages -

- Applications
- C++
- assembly
- \vdots
- CPU / machine instructions
- physics, transistors...