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Modern computers Hardware every computer needs

This section is mostly devoted to computers as we know them today. We are surrounded by computers. Our PCs<sup>1</sup>,

Well, first of all — they all have different *hardware*. Hardware — is all of the computer's tangible parts or compo

Hardware is the basis of any computer. Once you got limited by hardware, there is not much you can do without c

So, *hardware often acts as a physical limit of what your computer can do*. If you absolutely need to save 100 GB of

You cannot change hardware without physically installing/reinstalling some computer component. It cannot be don

So, what hardware every computer needs? Well, maybe not every little one of them, but the majority? What will b

CPU<sup>3</sup>

Central component, 'brain' of the computer, doing all the actual computing.

PSU<sup>4</sup>

Anything that provides whole system with electric power. Batteries, accumulators and such.

RAM<sup>5</sup>

The type of memory to hold partial results of something. It's something like a bank's cash register, where all today's ca

Persistent Memory storage

Acts as a 'long-term' memory storage. Similar to a vault in the bank — it's not convenient to get your hand in it every

GPU<sup>6</sup>

Special type of processors with a specific purpose of showing something on display. Without it you can use your comput

Motherboard

Component that acts as a medium for all other components to communicate

And finally, it all should be mounted and secured in some case. Usually end-user interacts and associate hardware with

The list of possible hardware some computer may utilize in some form is just enormous. It makes no sense to try a

It's worth noting, that each and every one piece of hardware described here is a complex technological device. To u

CPU

As was said before — CPU is a 'brain' of the computer. In the end, all operations, that somehow process any data

So... that's it? To learn programming — means simply to learn those machine code instructions and find some way

Memory GPU Motherboard and PSU