

Review of computer systems

Evolution of computer systems.

Architecture and components of computer systems. Use of computer systems. Data representation in computer systems.



AGENDA

Vocabulary

- ❖ architecture of computer systems архитектура компьютерной системы
- ♦ hardware аппаратное обеспечение компьютера
- software программное обеспечение компьютера
- firmware прошивка, микропрограмма
- electronic device электронное устройство
- ♦ tangible осязаемый
- ❖ accomplish выполнять
- speed скорость
- ❖ reliability надежность
- ◆ accuracy точность
- diligence старательность
- versatility многосторонность
- storage запоминающие устройства
- chipset набор микросхем
- headphones наушники
- speakers колонки
- ♦ floppy disk дискета
- ♦ hard disk drive жесткий диск
- ассерt принимать
- senerate генерировать





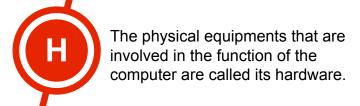
Main part of a computer system





Software

is a set of instructions, called a program, which tells a computer what to do





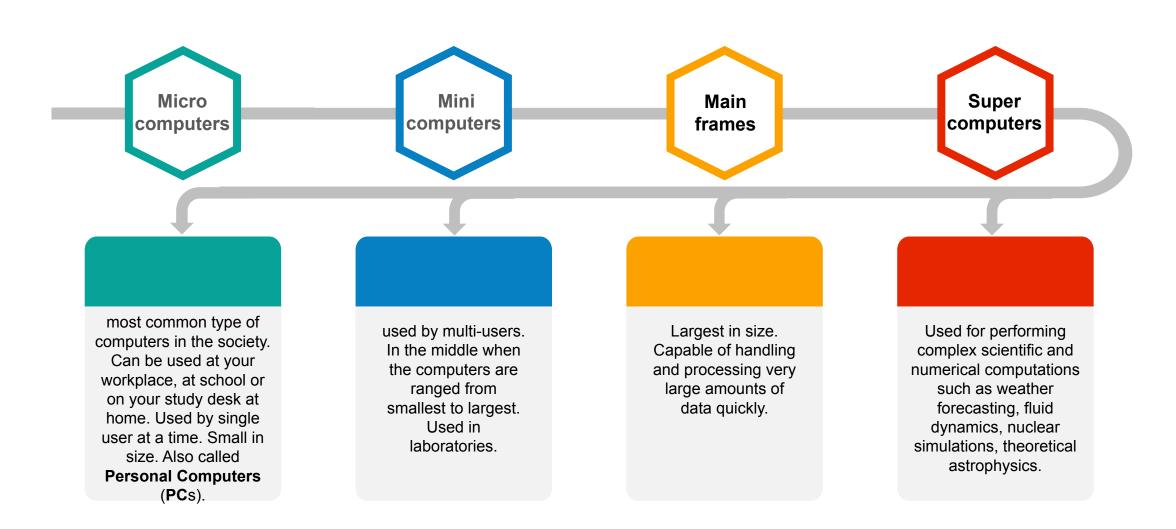
The sets of instructions which are also called computer programs installed in the computer are called **Software**.



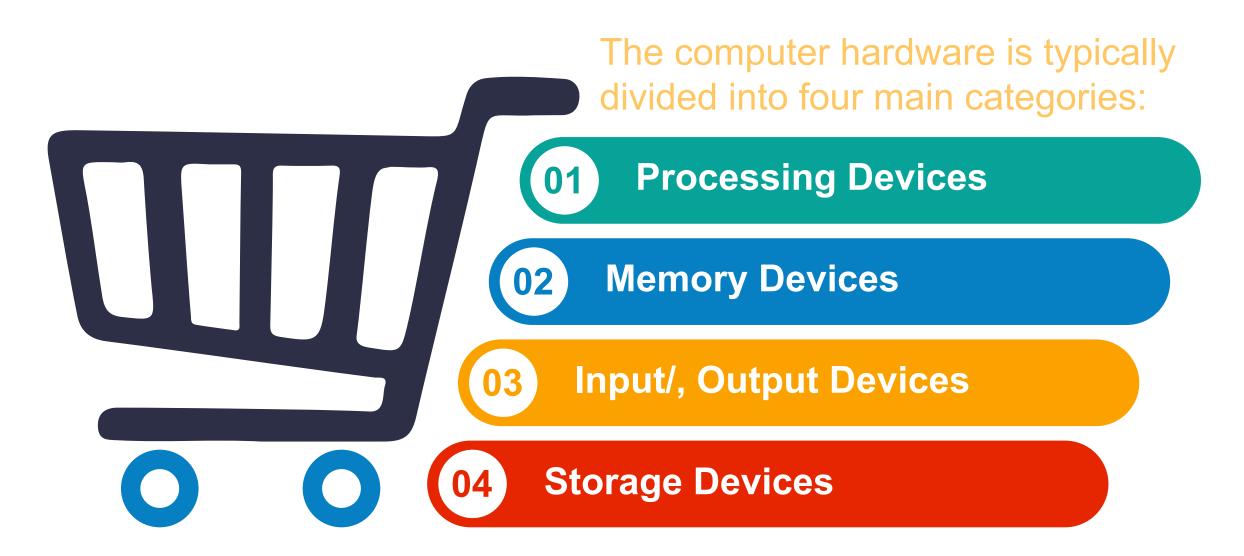
2. Evolution of computer systems.



Computer classification



3. Architecture and components of computer systems. Use of computer systems. Data representation in computer systems.



Infographic Style

A character is stored in the computer as a group of 0s and 1s, called a Byte. The Random Access Memory (RAM) is a volatile form of a computer memory. Memory The collection of unorganized facts that can include words. numbers, pictures, sounds, and videos is called data **Processing Devices** A series of instructions that I/O Devices tells a computer how to perform the tasks is called program Storage Dev An instruction given to a computer program is called command Storage refers to the media on which data, instructions, and information are kept, as

well as the devices that record and retrieve

these items.

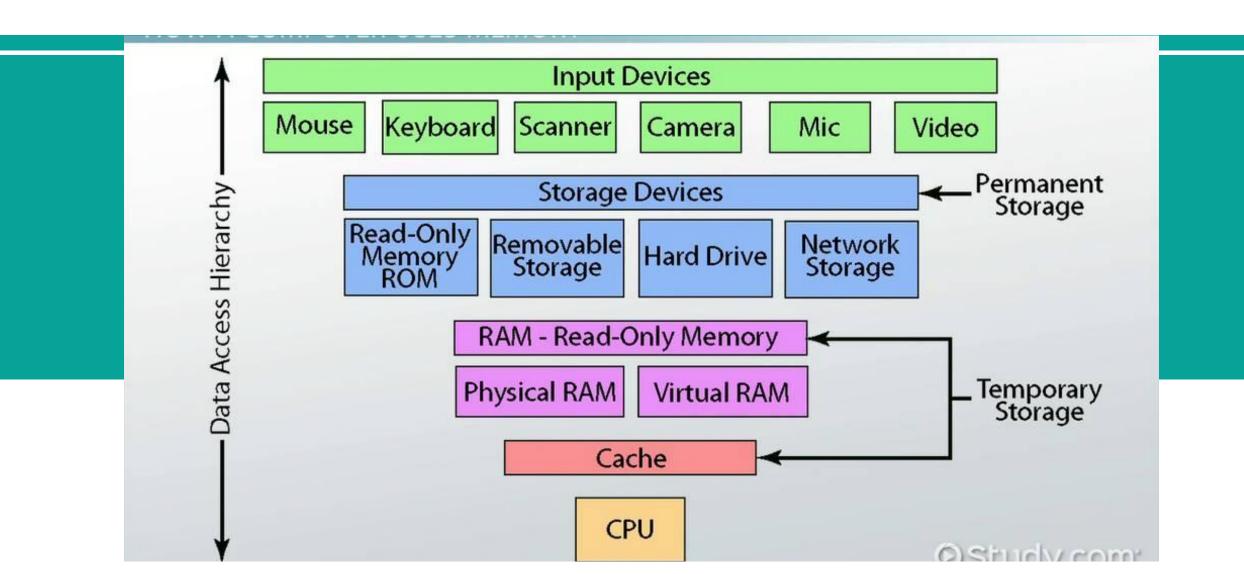
The first technical characteristics of a CPU is a speed.

Two major components of a Central Processing Unit are Control Unit (CU) and the Arithmetic and Logic Unit (ALU), which work together to perform the processing operations.

The Control Unit (CU). As you know, a computer program or set of instructions must be stored in memory for a computer to process data. The CPU uses its CU to execute these instructions.

The Arithmetic and Logic Unit (ALU). ALU performs the arithmetic, comparison, and logical operations.

How do computer store data?





Homework



Read lecture

Take a note for yourself



Learn vocabulary

https://quizlet.com/523649324/ict-flash-cards/





THANK YOU

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