



Sheet 1

Objective: upon successful completion of this sheet, students should be familiar with some of the important commands using MS Word to prepare a scientific report.

Write the following report

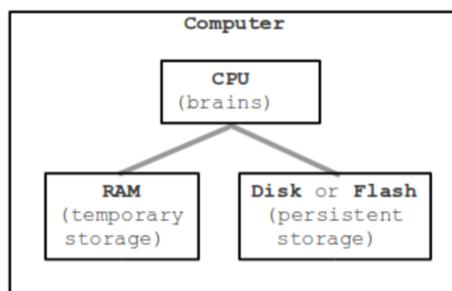
Thursday, February 24, 2022

Computer Components

The computer is an amazingly useful general-purpose technology, to the point that now cameras, phones, thermostats, and more are all now little computers. This section will introduce major parts and themes of how computer hardware works. "Hardware" refers the physical parts of the computer, and "software" refers to the code that runs on the computer.

Computer Hardware - CPU, RAM, and persistent storage

Now let's talk about the three major parts that make up a computer -- [CPU](#), [RAM](#), and [Persistent Storage](#). These three are found in all computers: *laptops*, *smartphones*, and *tablets*.



1. CPU

- CPU - Central Processing Unit
- Performs computations, e.g., add two numbers

2. RAM

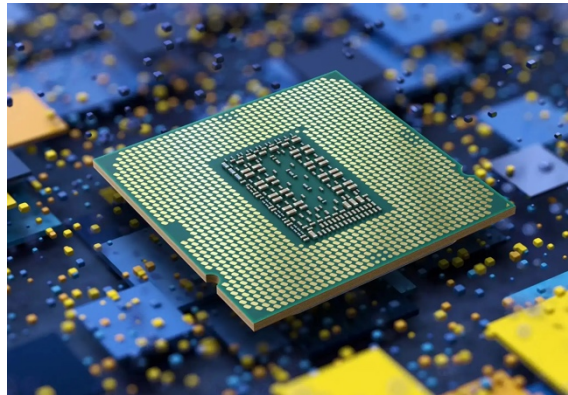
- RAM - Random Access Memory
- RAM stores both code and data (temporarily)

3. Persistent Storage

- Persistent means preserved even when not powered
- HDs have been the main, persistent storage for a long time, but now flash is getting more popular

Pictures of Hardware

The picture shows the little gold pads on the bottom of the CPU. Each pad is connected by a very fine wire to a spot on the silicon chip¹.



¹ For more about computer jargon, see <https://pc.net>.