**Memory**

* 2 mains types of memory RAM and ROM.
* Modern systems have 2 types of ram. Dynamic RAM contains billions of transistors (1 transistor can only store 1 bit of data) that then you turn off the computer you will lose the data. Static RAM is a type of memory that does not lose memory when you turn the computer off.
* Any time you start up a program you are creating data. Ram is used to store programs and data that are currently **being used.**
* All your programs and data is stored permantly on your hard drive. But this is slow so it loads any data it needs onto the ram first then access it from the ram.
* ROM is Read Only Memory this stores the instructions needed for starting up your computer. The BIOS is the Basic Input Output System and a type of ROM that stores the start-up instructions for your computer.
* Flash ROM is a type of ROM memory that you can be edited, you can add and delete data on it and read it. It is faster than a hard drive.
* Virtual memory is a special part of the hard drive that stores your programs that are open that you are not currently using.

Then you computers physical ram is running slow, your Virtual memory will move the programs your not using onto a temporary storage space on your hard drive.