



Computer Hardware

Class Five

Lab 2

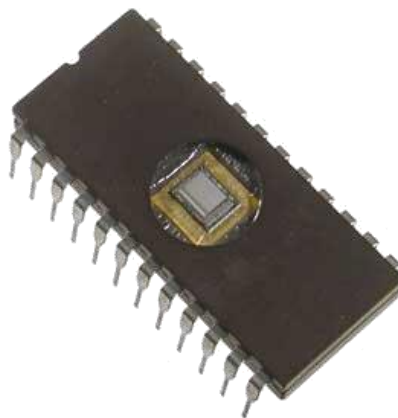


Lab Objectives:

- Memory
- Storage

ROM:

Short for read-only memory, ROM is a storage medium that is used with computers and other electronic devices.



As the name indicates, data stored in ROM may only be read. It is either modified with extreme difficulty or not at all.



RAM:

Alternatively referred to as main memory, primary memory, or system memory.



RAM

4GB, 8GB, 16GB

RAM (random access memory) is a hardware device that allows information to be stored and retrieved on a computer.

Difference Between ROM and RAM?

There is one major difference between a ROM (read-only memory) and a RAM (random-access memory) chip.

ROM can hold data without power and RAM cannot.



Essentially, ROM is meant for permanent storage, and RAM is for temporary storage.

RAM	ROM
1. Temporary Storage.	1. Permanent storage.
2. Store data in MBs.	2. Store data in GBs.
3. Volatile.	3. Non-volatile.
4.Used in normal operations.	4. Used for startup process of computer.
5. Writing data is faster.	5. Writing data is slower.

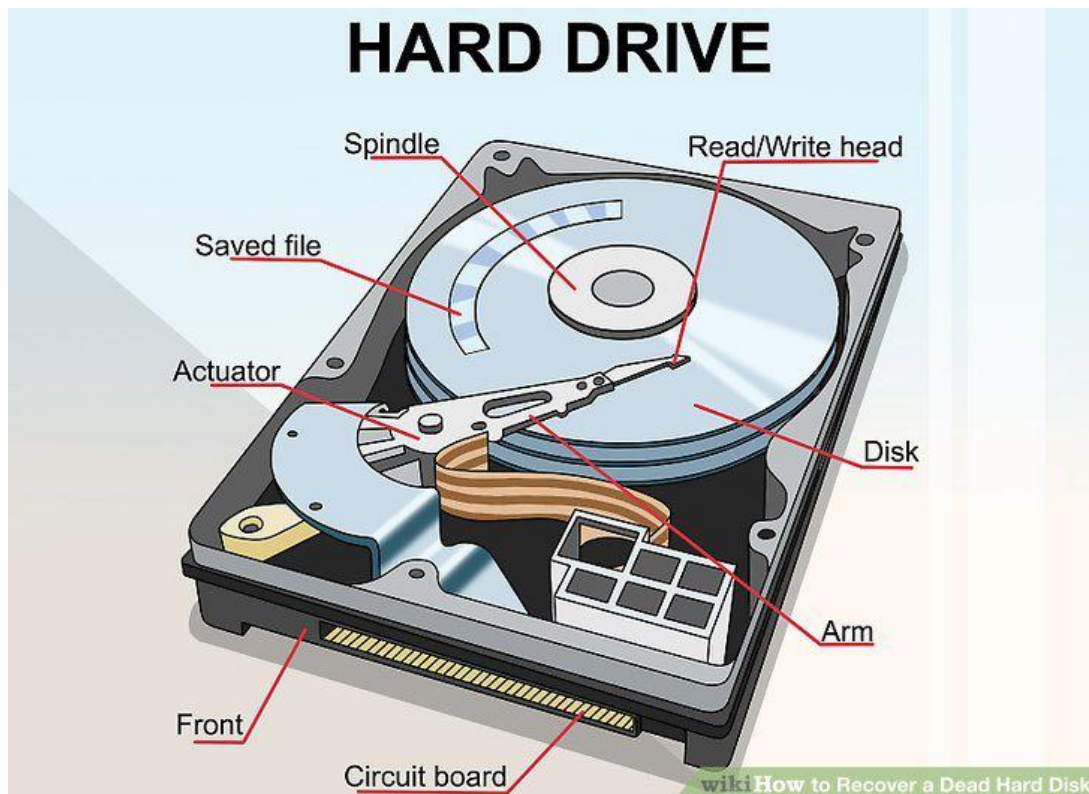
Difference between RAM and ROM

N.B: Volatile is computer memory that requires power to maintain the stored information



Hard Disc

A hard disk drive, hard disk, hard drive, or fixed disk, is an electro-mechanical data storage device that uses magnetic storage to store and retrieve digital information





CD (compact disc)

A compact disc is a portable storage medium that can be used to record, store and play back audio, video and other data in digital form.



DVD (digital video disk)

DVD is an optical disc technology with a 4.7 gigabyte storage capacity.





Flash Drive

a small electronic device containing flash memory that is used for storing data or transferring it to or from a computer, digital camera, etc.

A USB flash drive, also known as a thumb drive, pen drive, gig stick, flash stick, jump drive, disk key, disk on key, flash-drive, memory stick, USB key, USB stick or USB memory.





Memory Card

A memory card, flash card or memory cartridge is an electronic flash memory data storage device used for storing digital information.

