

## IT Essentials

د/ اسامه النحاس

## The Computer System

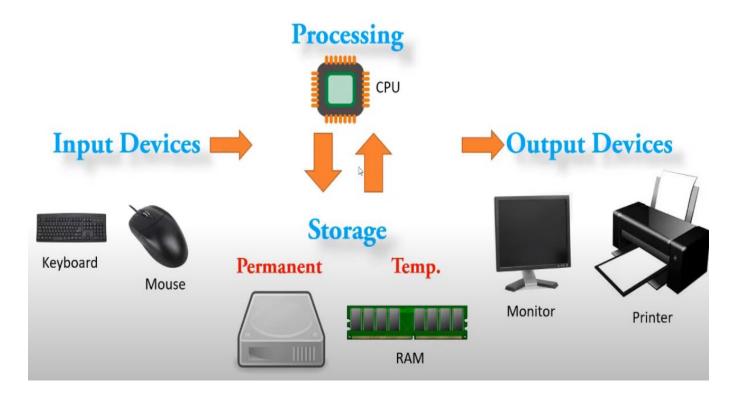
- The computer system consists of four parts:
  - Hardware
  - Software
  - Data
  - Users (liveware, humanware or peopleware)



## The Input-Process-Output Concept

A computer is an electronic device that: <u>accepts</u> data, <u>processes</u> data, <u>generates</u> output (information), and <u>stores</u> data, information, and instructions.

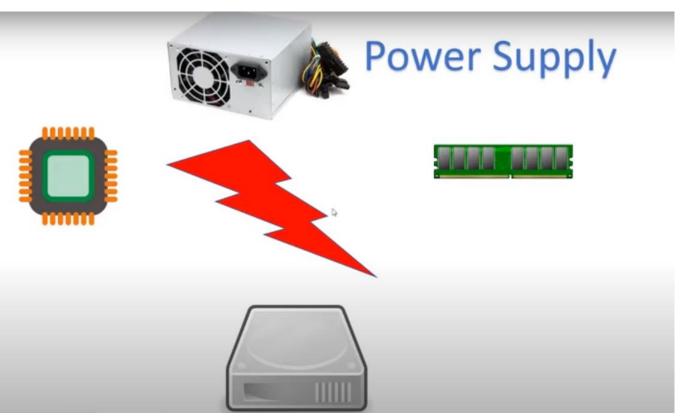
- Input
- Process
- Output
- Storage



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I/O Ports



#### The CPU

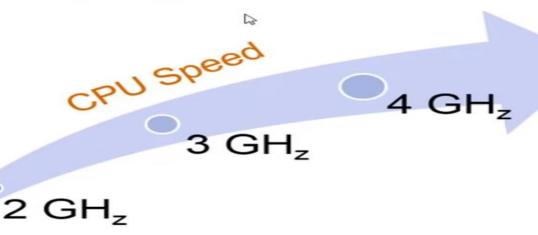
- CPU stands for Central Processing Unit
- Processor

#### **CPU Speed**

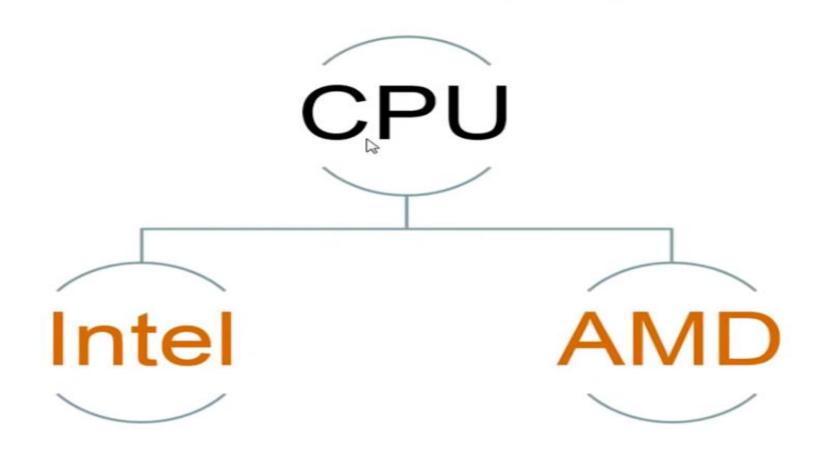
- CPU speed measured by Hertz
- Hertz(Hz) = Cycle per second



Giga Hertz (GHz) = Billion cycle per second



#### **CPU Manufacturers**



## **CPU**

#### Intel

- Pentium
- Celeron
- Dual-Core
- Core 2-Duo
- Core i3
- Core i5
- Core i7

#### AMD

- Phenom
- Athlon





## LAPTOP SPECIFICATION

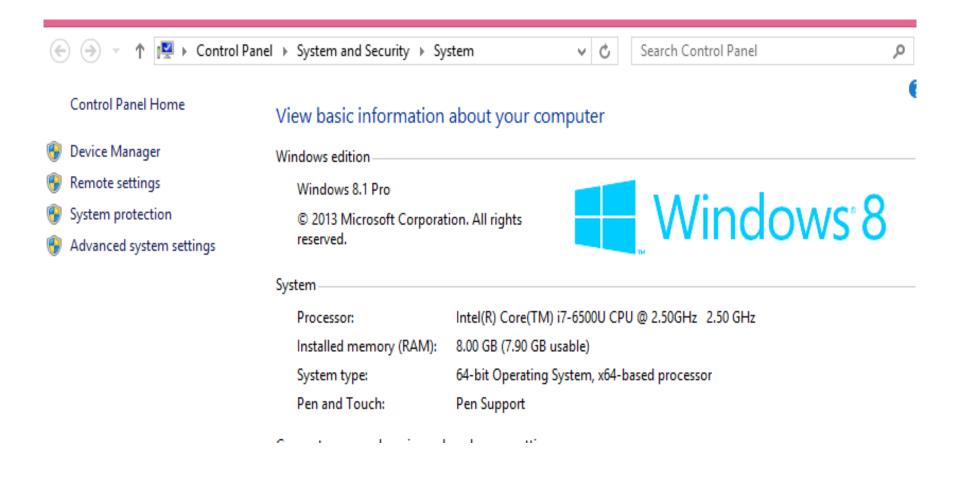
#### O Processor:

Intel® Core™ i7 - 6700 H processor

- Intel i5-i9 (recommended i7)
- O Recommended 9<sup>th</sup> generations.



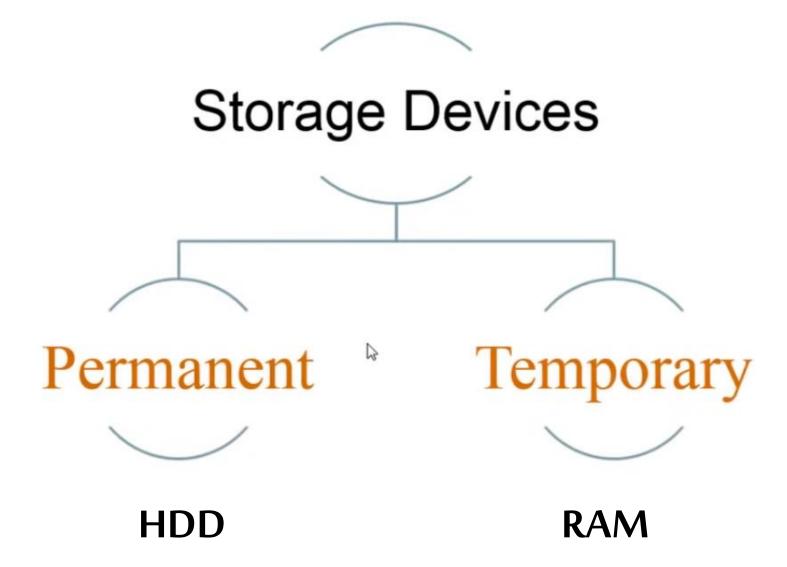
## LAPTOP SPECIFICATION



# LAPTOP SPECIFICATION

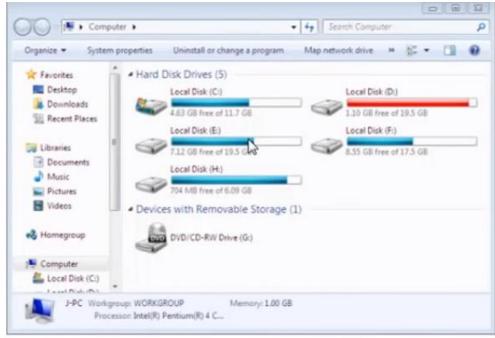
Screen size: 14" or 15" is recommended, 13" is minimum.

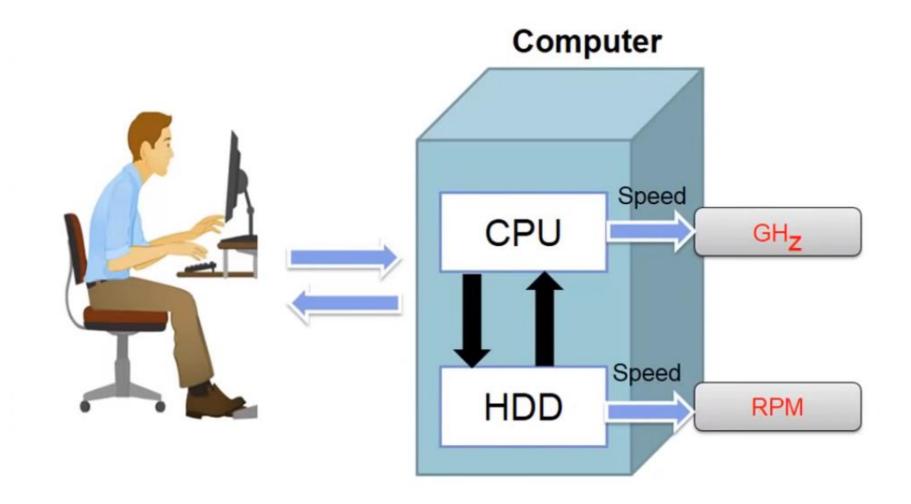
## **Storage Devices**

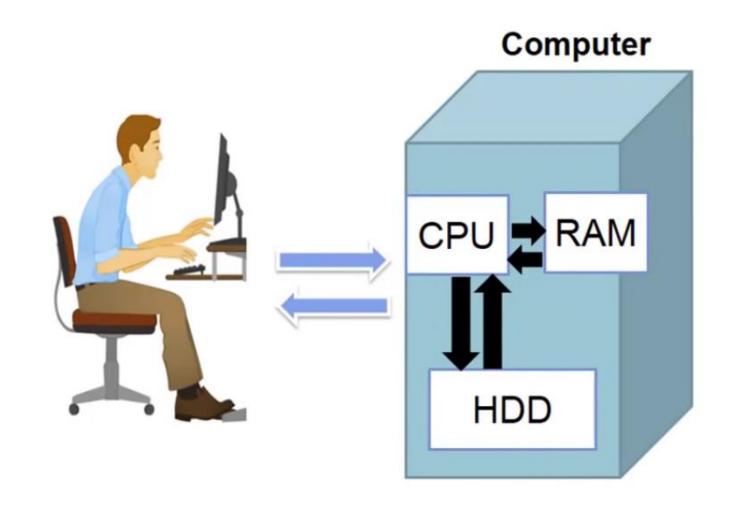


#### **HDD**





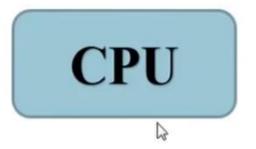










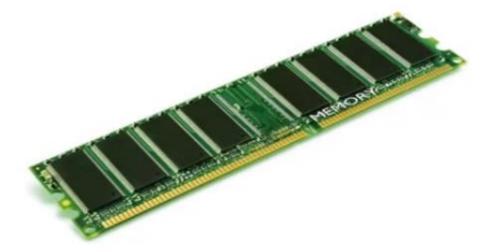






#### RAM

- RAM stands for Random Access Memory
- RAM is a volatile memory



# Measurement Of Storage Capacity

