Ayush - Session 1 : Intro to Computers

Early Days : ?

Large Computer - BIG ROOM

VACCUM Tubes => Transistors/CHIPS

INPUT DEVICES :

- Trackpad
- mouse
- Keyboard

OUTPUT DEVICES :

- Printers
- Laptop Monitor (Videos, Images, Text)
- Sound Speaker
- HDMI OutPort => TV

Juice Blender

To make a JUICE

- Fruits
- Water
- Blender Jar
- Glass
- Blender Mixie

Inputs : Fruits, Water

Motor Jar , Blades, : CPU : Output : Final Juice

Blades are not Sharp

DESKTOP :

INPUT : BIG Rectangular BOX : CPU OUTPUT :

CPU : What are the components of a CPU ?

- Motherboard
- Processor Speed : INTEL, AMD, RYZEN. (I3, I5, I7, 10th Generation)
- HDD : SAVE FILES, 0 AND 1
- RAM : RANDOM ACCESS MEMORY. (WILL BE CLEARED EVERYTME THE POWER GOES)
- ROM :READ ONLY MEMORY
- CMOS Battery
- Graphics Card
- CD Drive
- Floppy Drive

Binary Language

0 AND 1's

0 => OFF State 1 => ON State

0101010101010 => OFF ON OFF ON OFF ON OFF ON

VACCUM BULBS => ELECTRIC WIRE : PASS CURRENT, NO CURRENT: OFF ON

5000 Bulbs they will arrange serially :

Image =>

10101010101010101010101010101010101010101011110101010101010101010100110
10101010101010101010101010101010101010101011110101010101010101010100110
10101010101010101010101010101010101010101011110101010101010101010100110
10101010101010101010101010101010101010101011110101010101010101010100110
10101010101010101010101010101010101010101011110101010101010101010100110

Transisitor : 0 or 1 => Minute small transistors lot of information CHIP Integrated Circuits

=============================HARDWARE===

HARDWARE : BODY SOFTWARE : MIND/SOUL

LAPTOP CONFIGURATION

I5

8GEN

8GB RAM

10GB 4.6 GB

2,4,8,16,32,64,128,256,512

2*1 =2 2 * 2= 4 2 * 2 * 2 = 8 2 * 2 * 2 * 2 = 16

2 * 2 * 2 * 2 * 2= 32

5 Switch : 32 Combinations

2 Power 1 : 2 2 Power 4 : 4

Binary : 0 and 1

Transistors are like switches : ON or OFF

SWITCHES/Transistors : Each Transistor has 2 states
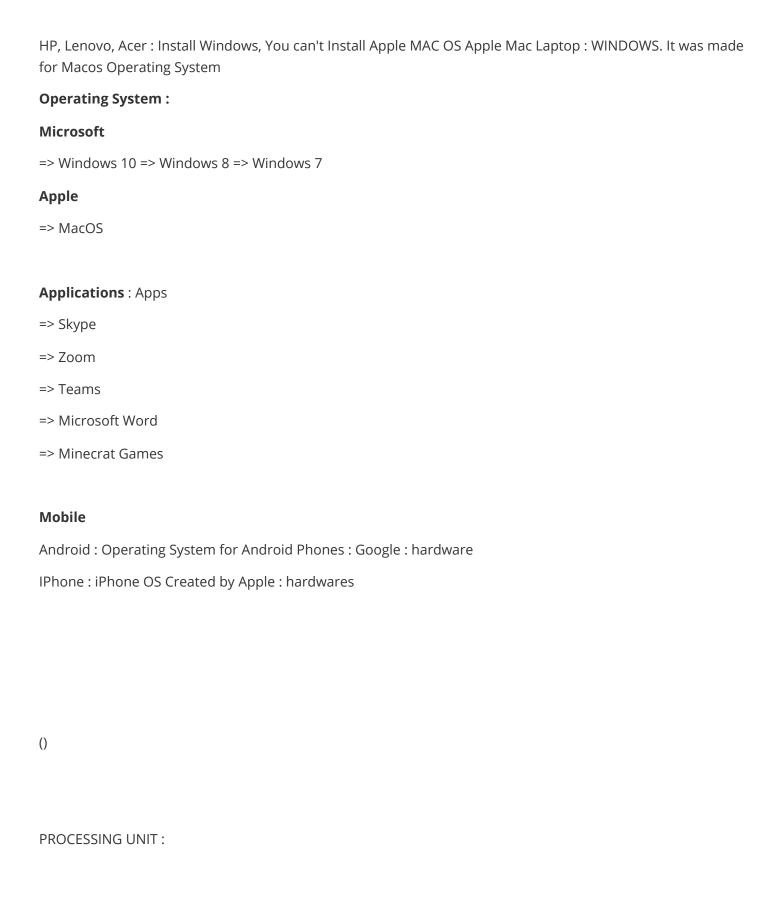
2^2

2^3

KG, POUNDS INCHES, CM, FT LTRE, GALLON

Binary Data => bytes :

BITS : 0 and 1 are called Bits

1 Byte => 8 BITS => A => 8 BITS => 00010102

1024 Bytes => 1 Kilo Byte 1024 Kilo Bytes (KB) => 1 MB => Mega Byte 1024 MB => 1 GB => 1 GIGA BYTE 1024 GB => 1 Tera Byte => 1 TB

1024 TB => 1 PETA BYTE => 1 PB 1024 PB => 1 EXA BYTE => 1 EB

===

HP, Lenovo, Acer : Install Windows, You can't Install Apple MAC OS Apple Mac Laptop : WINDOWS. It was made for Macos Operating System

Operating System :

Microsoft

=> Windows 10 => Windows 8 => Windows 7

Apple

=> MacOS

Applications : Apps

=> Skype

=> Zoom

=> Teams

=> Microsoft Word

=> Minecrat Games

Mobile

Android : Operating System for Android Phones : Google : hardware

IPhone : iPhone OS Created by Apple : hardwares

()

PROCESSING UNIT :

Drive the System

Laptop Desktop

Email Id : nirmalk.web@gmail.com