

## **Class 2 of BCA part 1(By Sachin Kumar)**

### **Types of computer**

#### **1. Analog computer**

These systems were the first type to be produced. It is an electronic machine capable of performing arithmetic functions on numbers which are represented by some physical quantities such as temperature, pressure, voltage, etc. Analog refers to circuits or numerical values that have a continuous range.

#### **2. Digital Computers**

Virtually all modern computers are digital. Digital refers to the processes in computers that manipulate binary numbers (0s or 1s), which represent switches that are turned on or off by electrical current. A bit can have the value 0 or the value 1, but nothing in between 0 and 1.

A desk lamp can serve as an example of the difference between analog and digital. If the lamp has a simple on/off switch, then the lamp system is digital, because the lamp either produces light at a given moment or it does not. If a dimmer replaces the on/off switch, then the lamp is analog, because the amount of light can vary continuously from on to off and all intensities in between. Digital computers are more common in use and it will be our focus of discussion.

#### **3. Hybrid Computer**

This is when a computer make is of both analog and digital components and techniques. Such computer require analog to digital and digital to analog converter which will make analog and digital data palatable to it. The basic classification nowadays uses the following

Such as:→

#### **Desktop**

A computer is referred to as "desktop" when it is relatively

small enough To be position on top of a table where a person is working. Such a computer can also be placed on the floor or somewhere under, or aside of, the table, in

which case the monitor would be placed on top of the table. This is the most common type of computers used in the office or at home. A desktop computer is made of different parts that are connected with cables.

### **Laptop**

A computer is called laptop when it combines the CPU, the monitor, the keyboard, and the mouse in one unit to be so small that you can carry it on your laps when traveling or commuting. A laptop is also called a notebook.

**Server:**→ A server is a computer that holds information that other computers, called workstations, can retrieve. Such workstations are connected to the server using various means