Computer's components

BY:

Nibras   Yousif   Mohammed

Computer's Components is divided into two main parts:

- **Hardware Components**
- **Software Components**

- **Hardware Components: All the components of the computer that can be touched and that perform a specific role and specific function: The hardware components of the computer consist of:**

a- Input units

b- System unit

c- Output Units

1-Input units :

It is used to enter data into the computer, for example:

- 1- The keyboard: It is one of the main input components that are used to enter numeric and literal data, and there are different types and shapes of them , For example, those that work with multiple media and are called (multimedia keyboard), and another type which are without wires installation to the system unit and are called (wireless multimedia keyboard).

- Mouse: used in the graphical environment to point and to determine the objects on the screen. There are different types and shapes of them, including the "wheel " between the left and right buttons, it is used to move the scroll bar, and another type of it without wires is called (wireless multimedia Mouse)

- **3- Microphone or Mic : It is used to input sounds into the computer where it is connected to the sound card in the system unit and it has several shapes and types, for example (Wireless Microphone).**

- **4-Touch Panel: It is a small square-shaped piece where the user moves his finger only on it, and this movement is translated into a pointer that moves on the screen and is found in laptop computers.**

- **5-Touch screen: It is one of the data entry units, which is usually used in train stations, where the user touches his finger on the screen to make choices.**

● **6- Scanner: It is used to insert graphics, documents, and images into the computer. It has several forms, depending on the purpose of use:**

<u>a</u> - Code reader device: It is used to read the code that is displayed on goods and products

<u>b</u> - Optical mark reader: used to read the indicators on   the forms where the user selects his choice, and is used to correct the exam papers to get accurate and fast results
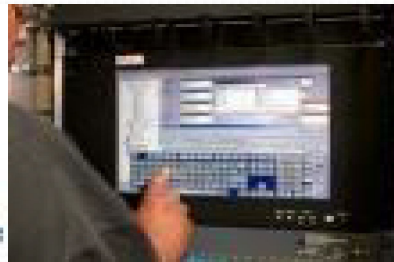
<u>c</u> -Magnetic Character Reader :It is used in banks and is similar to an optical mark reader, as it reads the account number in banks.

Mouse
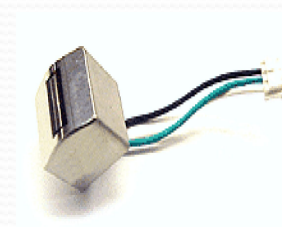
Microphone

Touch screen

Touch Panel

Code reader device

Optical mark reader

Magnetic Character Reader

**2--System unit:

It is the main part of the computer and the most important tasks it performs:

1 Processing data to convert it into information

2- Connecting the input units to the output units

3- Coordination of the work of all components of the computer system

The system unit consists of:

1- Case: It represents the outer frame for keeping the internal components of the computer from damage, bad touch or dust.

2- Motherboard: It contains the internal components and contains wires for the process of transferring data between them

3- Microprocessor: It is the part that performs arithmetic and logical operations, and controls all parts of the computer Called(CPU)Control Process Unit.

4- Memory: **explained**

**3--Output Units:

They are the parts that work on the output of information to the user, and they are of the following types:

- 1- Screens: they work to output information (images or videos) and they have different types

- 2- Printers: the output of information such as text or images printed on paper

- 3- Speakers: output information in the form of sounds and have different types.