محاظرات مادة تطبيقات الحاسوب
المرحله الاولى

م.م راويه رائدالسعدي

Introduction to electronic computing

Computer: It is a multi-function control device that is controlled by user control factors And it has several benefits:

1- Fast completion of mathematical operations and programs.

2- High accuracy in presenting the outputs.

3- High capacity for storage and retrieval. Because of these factors, we notice that the number of workers in institutions and companies has begun to shrink

Computer components

In order for the computer to perform its work according to the above definition, two basic components must be provided

1-hardware

2-software

Hardware

It is the set of parts that make up the computer:

1. **Main memory**: It is made up of a large group of cells Each can hold the two binary numbers (0,1) and The capacity of each cell varies from one computer to another. the main memory is not used for long storage because of the capacity Limited memory where information stored in it is liable to be lost, so other transport media such as floppy disks are used.

2-Central processing unit(CPU) :

The CPU includes the logic circuits needed to hold various processors and implement all Instructions, and the circuits of this unit in most computers are placed in one container. The central processing unit is divided into two basic parts in terms of function:

1-control unit

2-Arithmetic logic unit

3- <u>Input/ Output units</u>

They are the units through which the process of entering and exiting data and information to and from the central processing unit. including:

1-(Keyboard): It is an input unit.

2-(Screen) :It is an output unit.

3-(Mouse): It is an input unit.

4-(Printer):It is an output unit.

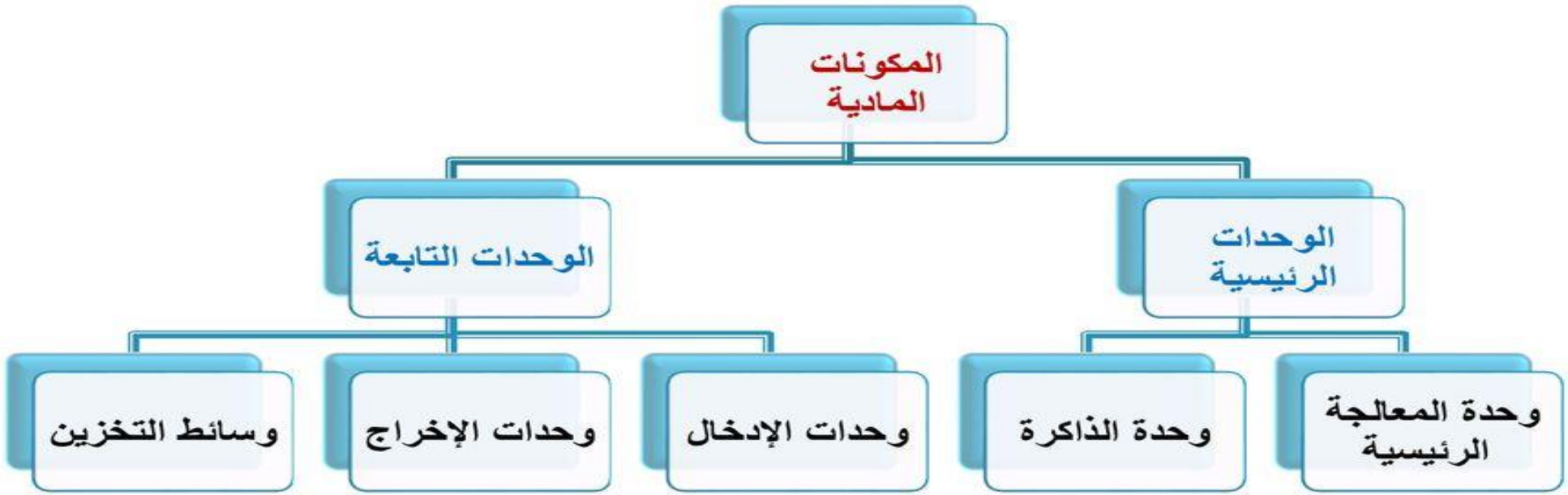
5-(Disk unit): It is an input and output unit.

6-(Terminal station): It is an input and output unit.

The figure below shows the physical components of the computer

مكونات الحاسب الآلي

المكونات المادية لجهاز الحاسب



Software

It is the set of programs that make up the computer, such as:

1- **Processing programs:**

- Service programs
- Ready applications

2- **Control programs:**

- Operating systems