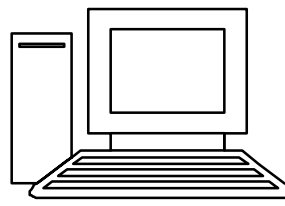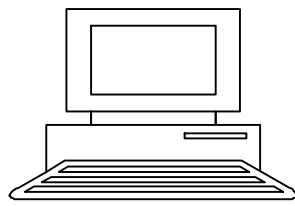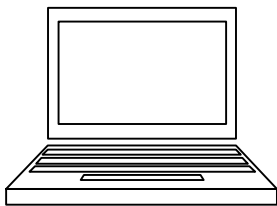# DW N° 01 (Introduction)
## The Computer and Its Components: General Overview

## 1. Central Unit : Contains the components.

**Definition**: Complete the following definition

A vital element of a computer, the ………………………………………materializes as a …………………, enclosing all essential components of a ………………………… except for the …………………………….., the ……………………………, and the …………………….

## a- Some forms of the central unit include:

|  |  |  |  |
|---|---|---|---|
| …………………… | …………………… | …………………… | …………………… |

## 2. Input Devices (examples): Used to input information into the central processing unit (CPU).

## a- Input Devices (examples): These devices are used to input information into the central processing unit (CPU).

| Allows for the digitization of paper documents and the retrieval of printed content in the form of a text file. | A type of pencil that allows you to write on a graphic tablet. | It is an essential tool for navigation in graphical interfaces. It is represented on the screen by a pointer.. | It is the primary means of communication with the PC. It allows for the input of letters and numbers as well as navigation. |
|---|---|---|---|
| …………………… | …………………… | …………………… | …………………… |

## b- Output Devices (Examples): Used to output the result.

| It allows projecting the content of the screen onto a screen or whiteboard. | They allow for the reproduction of sound. They have their own amplifier. Their power is measured in Watts. | There are two types: the most common ones are inkjet and laser . | It looks like a television set. Like the latter, it allows for displaying images in color but with a higher level of detail. |
|---|---|---|---|
| …………………… | …………………… | …………………… | …………………… |

## The Von Neumann Architecture :

A°/ Complete the diagram:



………………………………………………
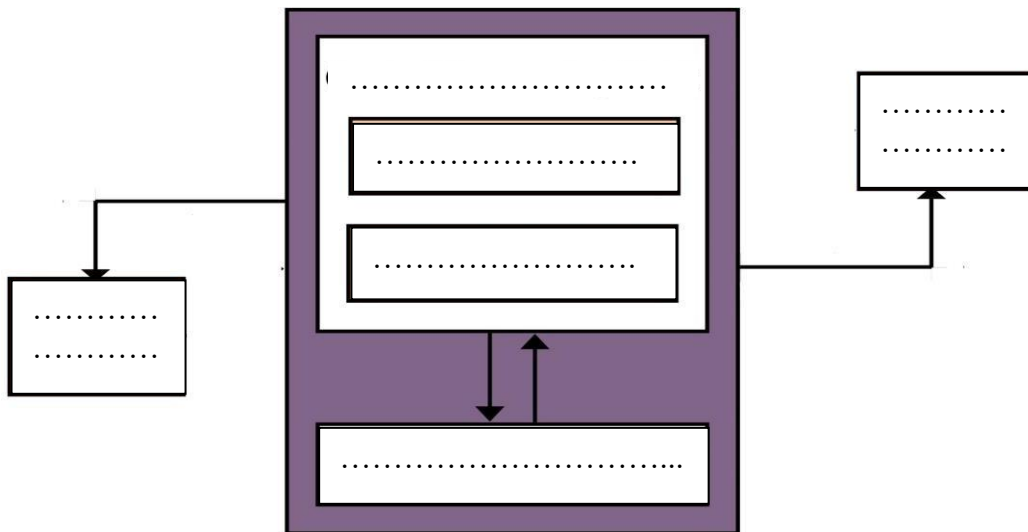
• Central Processing Unit (CPU)::……………………………………………………………………

………………………………………………………………………………………………………………..

Its role is to:………………………………………………………………………………………………

• The CPU is composed of an :………………………………………………………………………..

………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

- Control Unit:…………………………………………………………………………………….

………………………………………………………………………………………………………………

………………………………………………………………………………………………………………

B°/ Complete the following diagram:
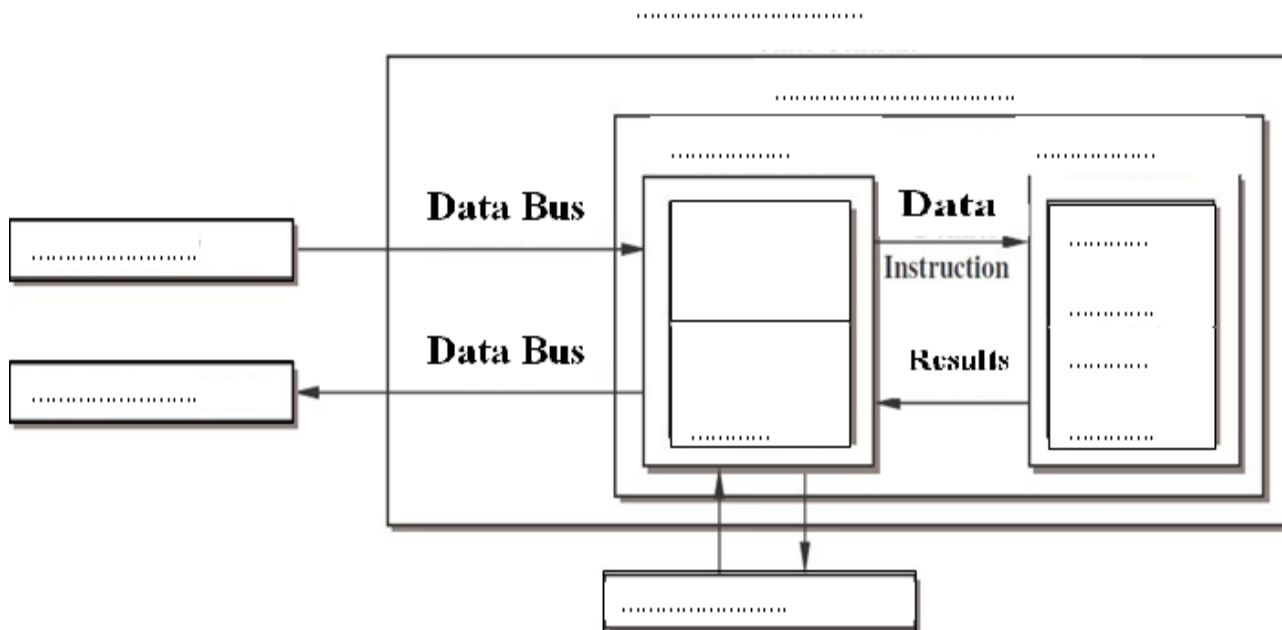
## b- Example of the central unit on the outside:

- ### Front Panel::

| Number | Designation |
|--------|-------------|
| 1 | ……………………………………………… |
| 2 | ……………………………………………… |
| 3 | ……………………………………………… |
| 4 | ……………………………………………… |
| 5 | ……………………………………………… |
| 6 | ……………………………………………… |
| 7 | ……………………………………………… |
| 8 | ……………………………………………… |
| 9 | ……………………………………………… |
| 10 | ……………………………………………… |
| 11 | ……………………………………………… |

Face Avant / الوجه الأمامي
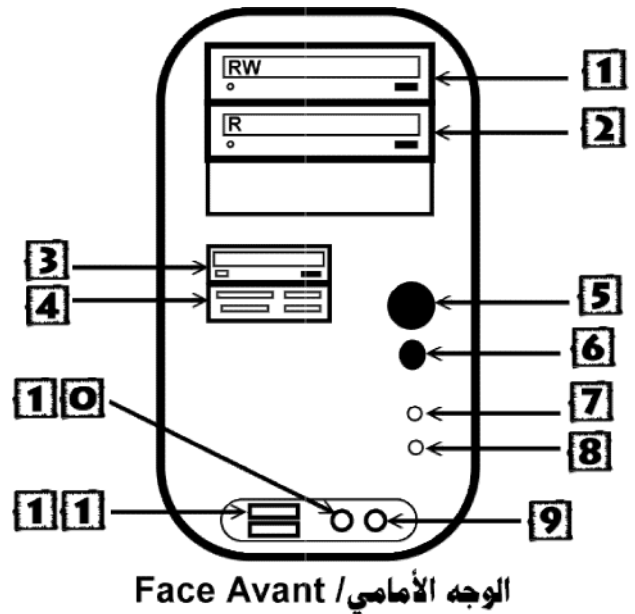
- ### Back Panel:

| Number | Port | Attached Component |
|--------|------|--------------------|
| 1 | …………………………… | …………………………………… |
| 2 | …………… | |
| 3 | PS /2 Port (Green) | …………………………………… |
| 4 | PS /2 Port (Purple) | …………………………………… |
| 5 | …………… | …………………………………… |
| 6 | Com Port (Serial) | …………………………………… |
| 7 | VGA Port (Blue) | …………………………………… |
| 8 | ………………… (Green) | …………………………………… |
| 9 | ………………… (Blue) | …………………………………… |
| 10 | ………………… ( Pink) | …………………………………… |
| 11 | …………… | …………………………………… |
| 12 | LPT Port (Parallel) | …………………………………… |
| 13 | Game Controller Port | …………………………………… |
| 14 | …………………… | …………………………………… |

Face Arrière / الوجه الخلفي

## c- Internal Components

| | | | |
|---|---|---|---|
| | | | |
| ………………………… | ………………………… | ………………………… | ………………………… |
| | | | |
| ………………………… | ………………………… | ………………………… | ………………………… |
| | | | |
| ………………………….. | ………………………….. | ………………………….. | ………………………… |

- What is a computer system?:

…………………………………………………………………………………………………………………………………

…………………………………………………………………………………………………………………………………

…………………………………………………………………………………………………………………………………

- A good understanding of hardware allows for:

…………………………………………………………………………………………………………………………………

…………………………………………………………………………………………………………………………………

- Give some examples of input/output devices at the same time

………………………………………………………………………………………………………………

…………………………………………………………………………………………………………………………………