

Journey into the World Of Computers

Module 2

Module Objectives:

- Explain what a computer is
- List the application of computers
- Information Life Cycle

What is a Computer?

A computer is a programmable device for processing, storing, and displaying information. [^1]

or

Computer is an electronic device for storing and analyzing information fed into it, for calculation, or for controlling machinery automatically (Oxford Dictionary)

Personal computer system

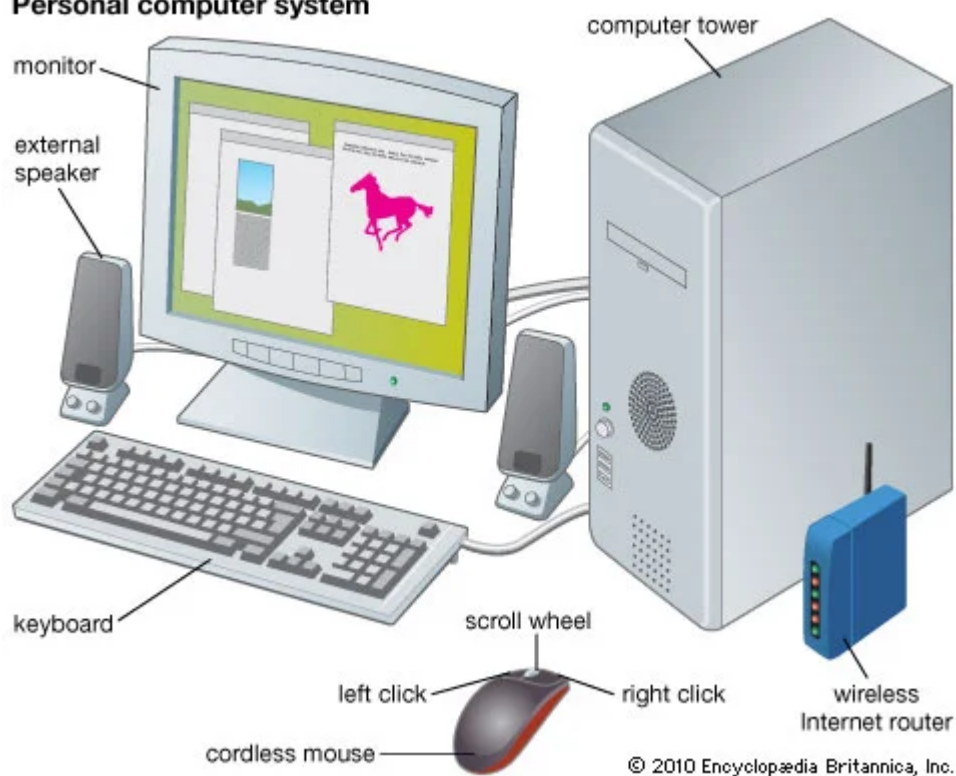


Image source: www.britannica.com

Areas of Application

- Documentation
- Spread Sheet
- Chatting
- Video Conferencing
- Presentation

- Data StorageEmail
- Play Audio and Video Files

Understanding computing

Example of processing

What is a Data?

Data comprises of numbers, alphabet, or any other form of data like pictures, sound etc. Some typical examples of data are:

Characteristics of Data:

- Data is raw, that is not very meaningful
- Requires processing to be done on them to suit requirements.
- Gets converted into information after processing.

What is a Process?

- the computation done on the data to generate result is called Process. It could be any arithmetic or logical operation done on the data.

Examples:

addition subtraction multiplication comparisons using operators like <, >, =

What is Information?

- data generated after processing of the data is the information.

Comparative Study Between Data and Information

How The Computer Process?

- The Computer needs processing instructions to be given to it for performing the computations.

Command: The instruction given is known as a Command. **Program:** Set of Instructions. **Software:** Group of many related programs is a software.

References

[^1] [Computer - Encyclopedia Britannica](#) [^2] <http://en.wikipedia.org/wiki/Computer>