

The background features a light purple-to-blue gradient. Scattered across the surface are numerous realistic water droplets of various sizes, some with highlights and shadows. In the center, there is a faint, white outline of a computer monitor, which serves as a subtle backdrop for the main text.

COMPUTER

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Objectives

- What Is computer?
- List the types of the computer.
- What are the advantages and disadvantages?
- What are computer operation and give example?
- Describe hardware / software.
- Define computer programming?
- Explain information processing cycle.

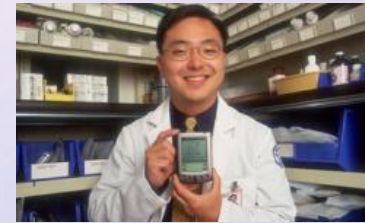
What is A Computer?

A computer is a device that accepts information (in the form of digitalized data) and manipulate it for some result based on a program or sequence of instructions on how the data is to be processed.

[Resource: searchwindowsserver.techtarget.com/definition/computer](http://searchwindowsserver.techtarget.com/definition/computer)

List the types of the computer.

1. PC (Personal computer).
2. Desktop.
3. Laptop.
4. Netbook.
5. PDA (personal digital assistants),
6. Workstation.
7. Server.
8. Mainframe.
9. Supercomputer.
10. Mini computer.



[Resource: computerhowstuffworks.com/10-types-ofcomputers1.htm](http://computerhowstuffworks.com/10-types-ofcomputers1.htm)

What are the advantages and disadvantages?

advantages

- ~ People are using computers to perform different tasks quickly and easily. The use of computers makes different task easier.
- ~ It saves time and effort and reduces the overall cost to complete a particular task.
- ~ The computer works as a great educational tool for students, they can have access to all sort of information on the internet.
- ~ Computer is being used in every field of life such as business and weather forecasting .

disadvantages

- ~ Unemployment.
- ~ Wastage of time and energy.
- ~ Computer crimes.
- ~ Privacy violation.
- ~ Health risks.
- ~ Impact on Environment.

What are the basic operations of computer and give example?

- Inputting: ex: Keyboard, Mouse, Pointing Device.
- Processing: ex: Windows, Linux.
- Outputting: ex: HDMI, Speakers.
- Storing: ex: HHD, SSD, Hard Drive.
- Controlling: ex: Power.

Resource: <https://mcqsets.com/s/fundamentals/basic-operations-of-a-computer/>

Describe hardware.

~ Is What you can physically touch.

[Resource: study.com/academy/.../what-is-computer-hardware-components-definition-examples.ht...](https://study.com/academy/.../what-is-computer-hardware-components-definition-examples.ht...)

Describe software.

~ Is used to operate computers and its not something that you can physically touch.

[Resource: http://searchmicroservices.techtarget.com/definition/software](http://searchmicroservices.techtarget.com/definition/software)

Define computer programming.

- Is A Process That Leads From An Original Formulation Of A computing problem To executable computer programming.



Explain information processing cycle

- **Information Processing Cycle** The Sequence Of Events In Processing Information, Which Includes (1) Input, (2) Processing, (3) Storage And (4) Output. The Input Stage Can Be Further Broken Down Into Acquisition, Data Entry And Validation. The Output Stage Can Also Be Further Divided Into Interactive Queries And Routine Reports. A Fifth Stage Is Often Attributed To This Cycle, Which Is The Archiving Or Deletion Of Unwanted Data.

Resource: <https://www.pcmag.com/encyclopedia/term/44953/information-processing-cycle>

Summary:

- A computer is a device that accepts information (in the form of digitalized data) and manipulate it.
- Types of the computer according to the user.
- Advantages: the use of computers makes different task easier, Saves time and effort, computer works as a great educational tool for students.
- Disadvantages: unemployment, wastage of time and energy, computer crimes, privacy violation, health risks, impact on environment.
- Basic computer operations: inputting, processing, outputting, storing, controlling.
- Hardware is what you can physically touch.
- Software is used to operate computers and its not something that you can physically touch.
- Computer programing Is A Process That Leads From An Original Formulation Of A computing problem To executable computer programming.
- Information processing cycle is the sequence of events in processing information, which includes (1) input (2) processing (3) storage and (4) output