

NUR AFRICA ACADEMY



IT GRADE 5

**NUR-
AFRICA
ACADEMY**

CENTER OF WISDOM

Computer

- Computer is an electronic data processing device that is designed and organized to automatically receive data, processes it, and output the result.

Types of Computers

- **Based on their speed and size computers can be categorized as:**
- **Super Computers**
- **Mainframes Computers**
- **Mini Computers**
- **Micro Computers**

Super Computers:

- **Process billions of operations per second.**
- High power consumption
- Large and fast memory
- **Large in size**
- **Used for scientific applications, research,** weather forecasting, and nuclear energy research.
- Expensive

Mainframe Computers:

- **Slower than Supper Computer**
- **Perform millions of operations per second.**
- **Support multiuser**
- **Used in Banks, Insurance Companies, Hospitals, etc.**

Mini Computers

- Medium sized
- Slower and less expensive than mainframes.
- Support more than one user at a time.
- Used for data processing, laboratories and monitor production processes

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- **Micro Computers**
 - Smallest
 - Least expensive of all
 - Single user operating system
 - Used for general (personal) use.

Computer works in the following fashion:

- INPUT → PROCESS → OUTPUT
- Computer receives data or set of instructions from input devices like ***keyboard*** and ***mouse***.
- The accepted data or instruction can be processed or executed by the **CPU** (processing device).
- Finally the processed data can be stored and displayed through output devices (***monitor*** and ***printer***).

Keyboard

- Keyboard is an input device which is used to feed data and instructions to the computer. It has 104 or more keys. All of these keys can be categorized into six groups of keys as follows.
- Alphabet keys (A - Z)
- Number Keys (0 - 9)
- Function Keys (F1 - F12)
- Numeric key-pad Keys
- Arrow keys and
- Special keys (Escape key, Enter key, Control key, etc.)

Mouse

- Mouse is an input device which is called a pointing device. It controls the movement of the cursor on the screen. Mouse is used to draw pictures, playing games, executing programs, and etc.



- There are several kinds of mouse available such as Scroll/Wheeled Mouse, Wireless mouse or Optical Mouse.

