

Assignment No. 1

Q.1] Define various components of computer.

→ a) Input - This is the process of entering data and programs into the computer system. Input devices are graphics, tablets, cameras, video capture hardware, Trackballs, barcode reader, Digital camera.

Storage : The process of saving data and instruction permanently is known as storage.

b) Processing - The task of performing operations like arithmetic and logic operations is called processing.

c) Central Processing Unit (CPU) - After receiving data of commands from where, a computer system now has to process it according to the instructions provided. Here, it has to run on a computer component called the central processing unit.

1) Memory Unit - Once a user enters data using input devices, the computer system stores this data in its memory unit.

2) Arithmetic & Logic Unit - This part of the CPU performs arithmetic operations. It does basic mathematical calculations like subtraction, Addition, multiplication, division etc.

3) Control Unit - This unit is the backbone of computer.

d) Output - This is the process of producing results from the data for getting useful information. Output devices (LED, LCD, CRT, etc)

Printers (all types), Plotters, Projector, LCD
Projection Panels

Both Input - Output Devices - AT

Modems, Network cards, Touch screen.

Q.2] What is editor, compiler & linker which is used during programming. Mention any two names of editor and compiler used for C programming.

→ 1) Editor - The term editor is commonly used to refer to a editor, which is a software program that allows users to create or manipulate plain text computer files.

2) Compiler - A compiler is system software, computer program (or a set of program) that transforms source code written in a programming language (the source language) into another computer language (the target language; with the latter often having a binary form known as a object code.

3) Linker - It is a computer program that takes one or more object a file generated by a compiler and combines them into one, executable program.

- Compiler is used during program.
- IDEs are : Sublime text, visual studio code.
- Compiler are : GNU compiler (General Public license, Borland TurboC (Proprietary Software)

Q.3 List any four areas where computer system are used

→ ~~are~~ Computer's system are used in :-

1. Education
2. Health & Medicine
3. Science
4. Business
5. Recreation & Entertainment