



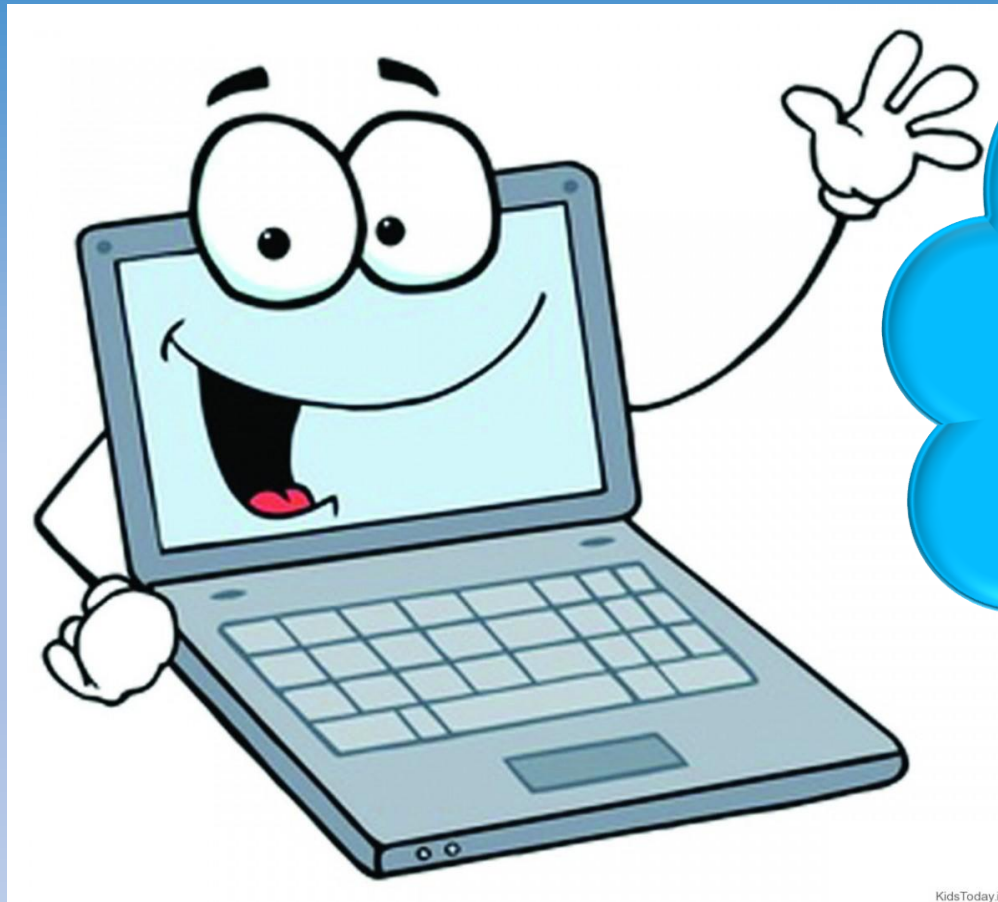
01-Importance of Computers

Question Time

- What is a computer in simple terms?



WHAT IS THE COMPUTER ?



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Computer is an electrical device that can store & process data ,converting in to Information that is useful to people

Question Time

- What is the difference between Data and Information?



What is the Data?

- Data is a **RAWS, UNORGANIZED FACTS & FIGURES.**
- Example:- individual prices, weights, addresses, ages, names, temperatures, dates, or lengths

What is the Information?

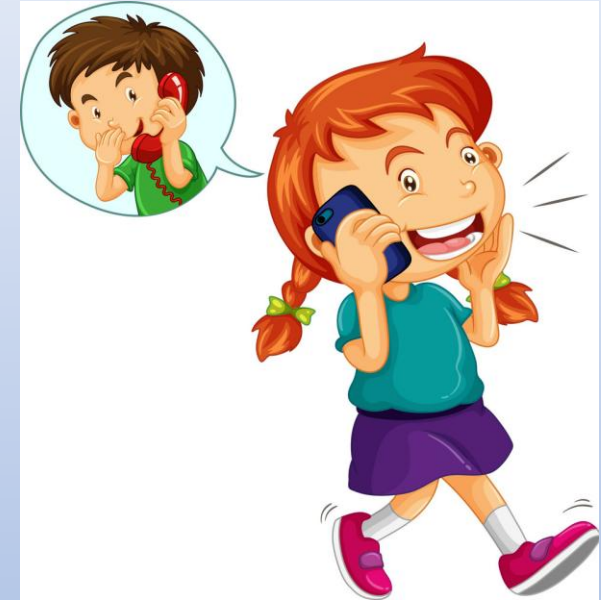
- Information is a **PROCESSED** data
- Example:- Weather Report
Election Results

Question Time

- Name two significant features of a computer.



EXAMPLE



INPUT



PROCESS



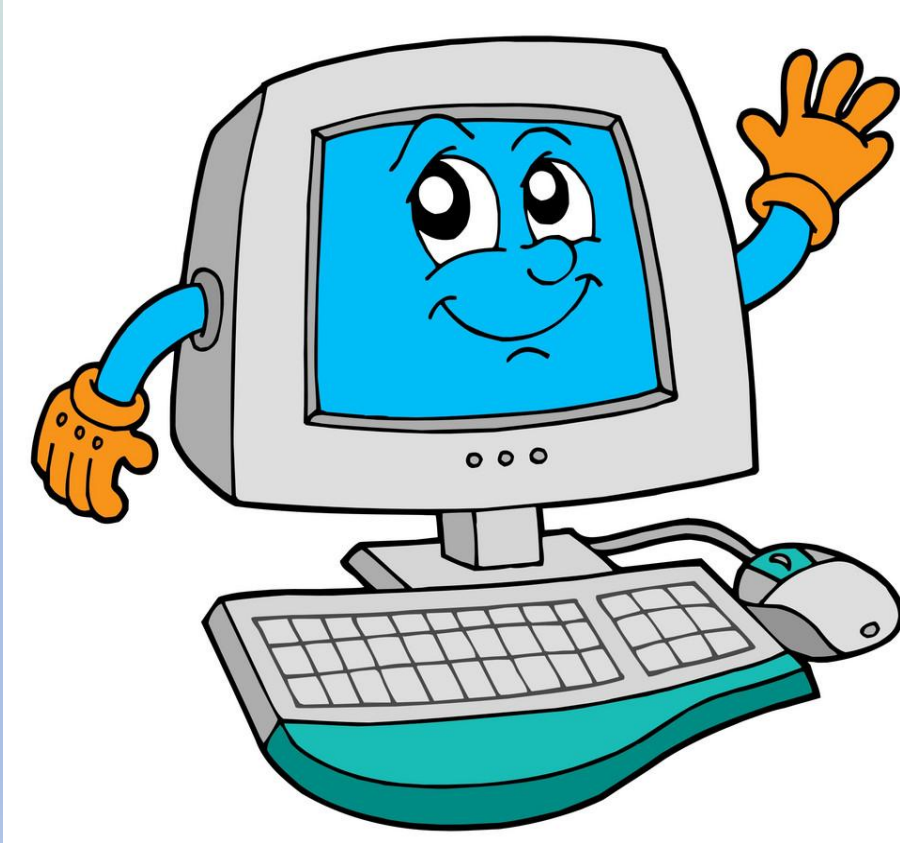
OUTPUT

Question Time

- What are the main functions of a computer?



Significant Features of a Computer



- 1) Speed and Efficiency
- 2) Accuracy
- 3) Reliability
- 4) Consistency
- 5) Storage Capacity
- 6) Intelligence
- 7) Cost

Question Time

- Give two examples of input devices.



Main Function of Computer



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graph LR; A["Main Function  
of Computer"] --> B["Input Device"]; A --> C["Output Device"]; A --> D["Central Processing Unit"]; A --> E["Main Memory"]; A --> F["Storage Device"]; A --> G["Communication Devices"];
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Input Device

Output Device

Central Processing Unit

Main Memory

Storage Device

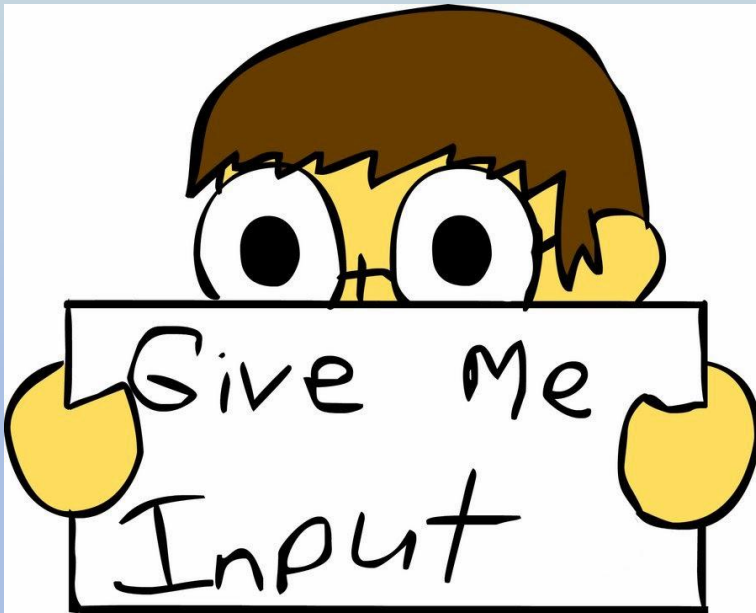
Communication Devices

Question Time

- Give two examples of output devices.



INPUT DEVICE



- The devices which are used to enter data and instructions to computers are called **input devices**.

Question Time

- Where is the CPU located?



Example:-



Mouse



Key Board



Microphone



Scanner



Web Camera



Barcode Reader



Light Pen

Question Time

- What is the function of Main Memory (RAM)?



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OUTPUT DEVICE



- The devices which are used to retrieve the data and information are called **output devices**.

Question Time

- Name one storage device you use daily.



Example:-



Monitor



Printer



Speaker



Multimedia Projector

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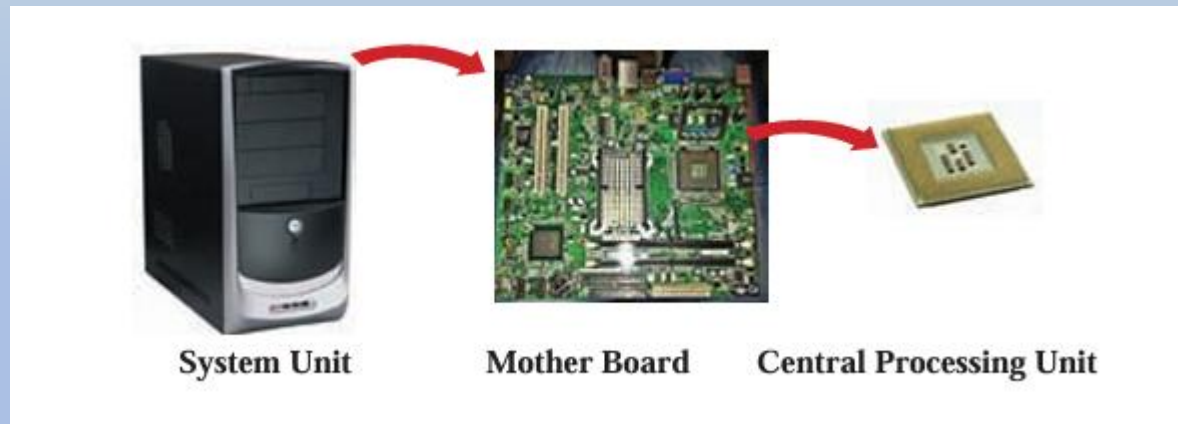
Question Time

- Why are communication devices important?



Central Processing Unit (CPU)

- Controlling the computer and processing data according to the given instructions are done by the **Central Processing Unit**.
- The Central Processing Unit is located inside the system unit. It cannot be seen from outside.



Question Time

- What is software used for?



Main Memory

- The device which is used to store data, information and instructions temporarily is identified as the main memory or the primary memory. It is also called the Random Access Memory (RAM).



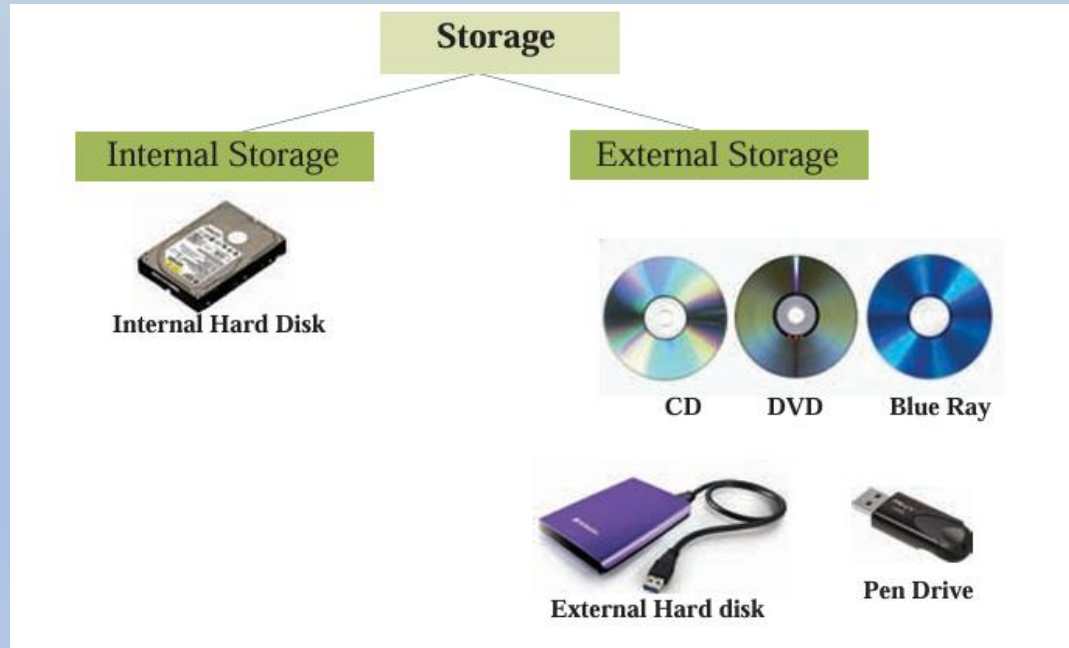
Question Time

- Give one example of computers in schools and one in banks.



Storage Devices

- The devices which are used to store data, information and instructions are called **storage devices**.



Question Time

- Give one example of computers in hospitals and one in agriculture.



Communication Devices

- The devices which are used to exchange the processed data and information are called **communication devices**.



Network Interface Card
(NIC)



Modem



Router

Wired/Wireless Communication Devices



Importance of Software

- A software is a set of programs designed to execute certain tasks by using a computer.
- A user can do different tasks by using software. There are various types of software to fulfil the needs of the user



Application of Computers in Various Sectors



Computers in Agriculture

- Help farmers work smarter
- Control watering systems
- Monitor crop growth
- Guide farming machines
- Use drones for checking fields

Computers in Schools

- Makes learning fun and interactive
- Helps teachers teach better
- Stores student records
- Connects to the internet for research
- Creates exciting presentations

Computers in Banks

- ATMs for getting money
- Online banking
- Paying bills
- Keeping money safe
- Mobile banking apps

Computers in Hospitals

- Help doctors treat patients
- Monitor vital signs
- Store medical records
- Special equipment in operation rooms
- Smart medical devices

SUMMARY OF THE LESSON

- What is the computer
- What is the Data
- What is the Information
- Significant Features of a Computer
- Main Function of Computer
- Input Devices
- Output Devices
- Central Processing Unit (CPU)
- Main Memory
- Storage Devices
- Communication Devices
- Importance of Software
- Application of Computers in Various Sectors

THANK YOU

