Input and Output Devices
COMPUTERS
ESSENTIAL QUESTIONS? (EQ)

- What is a computer?
- Can I list the different types of personal computers?
What Is A Computer?

- An electronic device that receives data, processes data, produces a result (output), and stores data.
What Is A Computer?

- An **electronic device** that
  - receives data
  - processes data
  - produces a result (output)
  - stores data
Types of Personal Computers

**Desktop computer**
- designed to be used on a desktop.
Types of Personal Computers

**Notebook/Tablet computer**

- designed to be used on a desktop but still small enough to be portable.
Types of Personal Computers

Laptop computer

• designed to be small enough and light enough to be used on your lap.
Types of Personal Computers (PC)

- Desktop
- Notebook/Tablet
- Laptop
CAN YOU ANSWER THESE ESSENTIAL QUESTIONS?

• What is a computer?
• Can I list the different types of personal computers?
ESSENTIAL QUESTIONS? (EQ)

- What is hardware?
- What are examples of hardware?
Hardware

- The tangible, physical equipment that can be seen and touched
PARTS OF A COMPUTER SYSTEM

- Monitor
- Keyboard
- Mouse
- Printer
- Speakers
- Computer Case (CPU is inside)
- CD-ROM/DVD Drive
- Floppy Disk Drive
Examples of Hardware

- Computer Case
- Monitor
- Keyboard
- Mouse
- Speakers
- Printer
What is Hardware?

The **tangible (can see and touch)** parts of the computer
What are Examples of Hardware?

- Computer Case
- Monitor
- Keyboard
- Mouse
- Speakers
- Printer
CAN YOU ANSWER THESE ESSENTIAL QUESTIONS?

- What is hardware?
- What are examples of hardware?
INPUT DEVICES
ESSENTIAL QUESTIONS? (EQ)

- What is data?
- What is input?
- What are examples of input devices?
• Data is text, numbers, sounds, and images entered into the computer to be processed.
What Is Data?

- **Information** entered into the computer to be processed.
- Examples of data are
  - text (letters)
  - numbers
  - sounds
  - images (pictures)
Input

- The process of entering information into the computer.
- Putting information into the computer
What is Input?

- **Data** you put into the computer
- How **you communicate with** your computer
Input Devices

- Devices that allow you to put data into your computer
- Devices that allow you to communicate with your computer
What are Examples of Some Input Devices?

- **Keyboard (most commonly used)**
What are Examples of Some Input Devices?

- Mouse
- Trackball
- Joystick
- Light Pen
• Stylus
- Touchpad
- Touch Screen
- **Pointing Stick**
- **Bar Code Reader**
- **Scanner**

- **Microphone**
- Graphics Tablet
- Digital Cameras
Check your NOTES

Input Devices

- Keyboard
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- Bar Code Reader
- Scanner
- Microphone
- Graphics Tablet
- Digital Cameras
CAN YOU ANSWER THESE ESSENTIAL QUESTIONS?

- What is data?
- What is input?
- What are examples of input devices?
OUTPUT DEVICES
ESSENTIAL QUESTIONS? (EQ)

- What is output?
- What are examples of output devices?
- What is a hard copy?
- What is a soft copy?
Output

- The result you see after your computer processes information.
- Getting information out of the computer
What is Output?

- What you **get out** of the computer
  - Sounds
  - Display on the monitor screen
  - Something you print

- How **your computer communicates** with you
Output Devices

- Devices that allow you to get data (output) out of your computer.
- Devices that allow your computer to communicate with you.
Output Devices

- **Monitor**
  - screen that displays information such as text, numbers, and images
  - Produces a *soft copy*
Output Devices

- **Printer**
  - gives you information or pictures from the computer in printed form.
  - Produces a **hard copy**
Output Devices

- **Speakers**
  - allow you to hear voice, music, and other sounds from your computer.
What are Examples of Output Devices?

- **Monitor** *(most commonly used)*
- **Printer**
- **Speakers**
What is a Soft Copy?

- The image you see on the monitor
- The copy you can only SEE
- Soft – See
What is a Hard Copy?

- The document you get from your printer
- The copy you can hold in your hand
- HARD – HOLD / HAND
CAN YOU ANSWER THESE ESSENTIAL QUESTIONS?

- What is output?
- What are examples of output devices?
- What is a hard copy?
- What is a soft copy?
THE END