

BASIC COMPUTER USAGE

# Computer FUNCTION



# OBJECTIVES FOR TODAY



- ✓ The 4 function of a computer
- ✓ Computer hardware
- ✓ How Computer Operate



5 MIN



# Computer consist of .....

## Hardware

Physical components, like monitor, system unit, mouse, keyboard...



## Software

Set of instructions that tell the computer what to do and how to do it.  
(Operating system, applications)





Watch the video to understand **hardware** and **software**



Click Me



# WHAT IS ...?

**Output**

**Input**

**Processing**

**Storage**





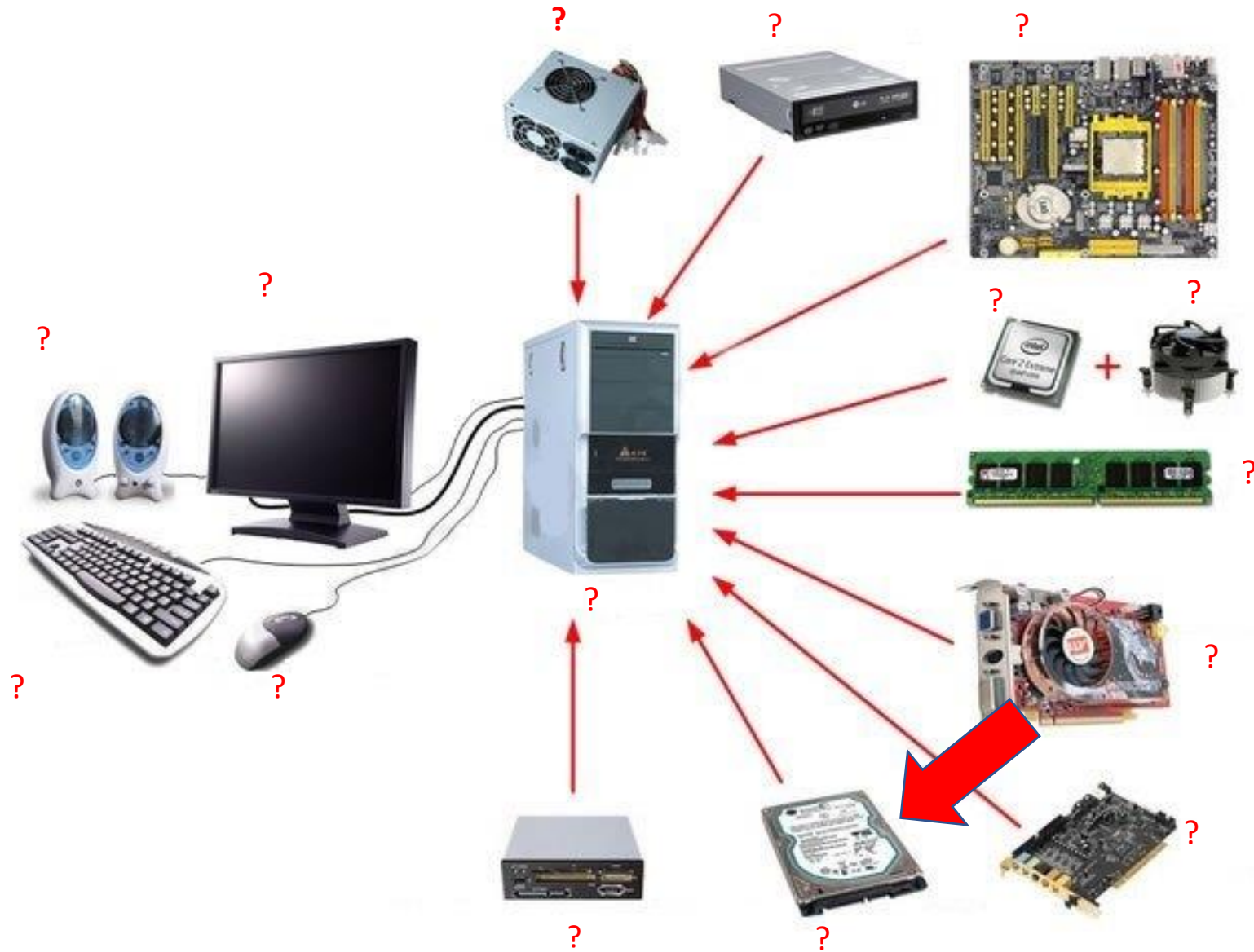
Watch the video and answer the questions



# Hardware Components



5 MIN





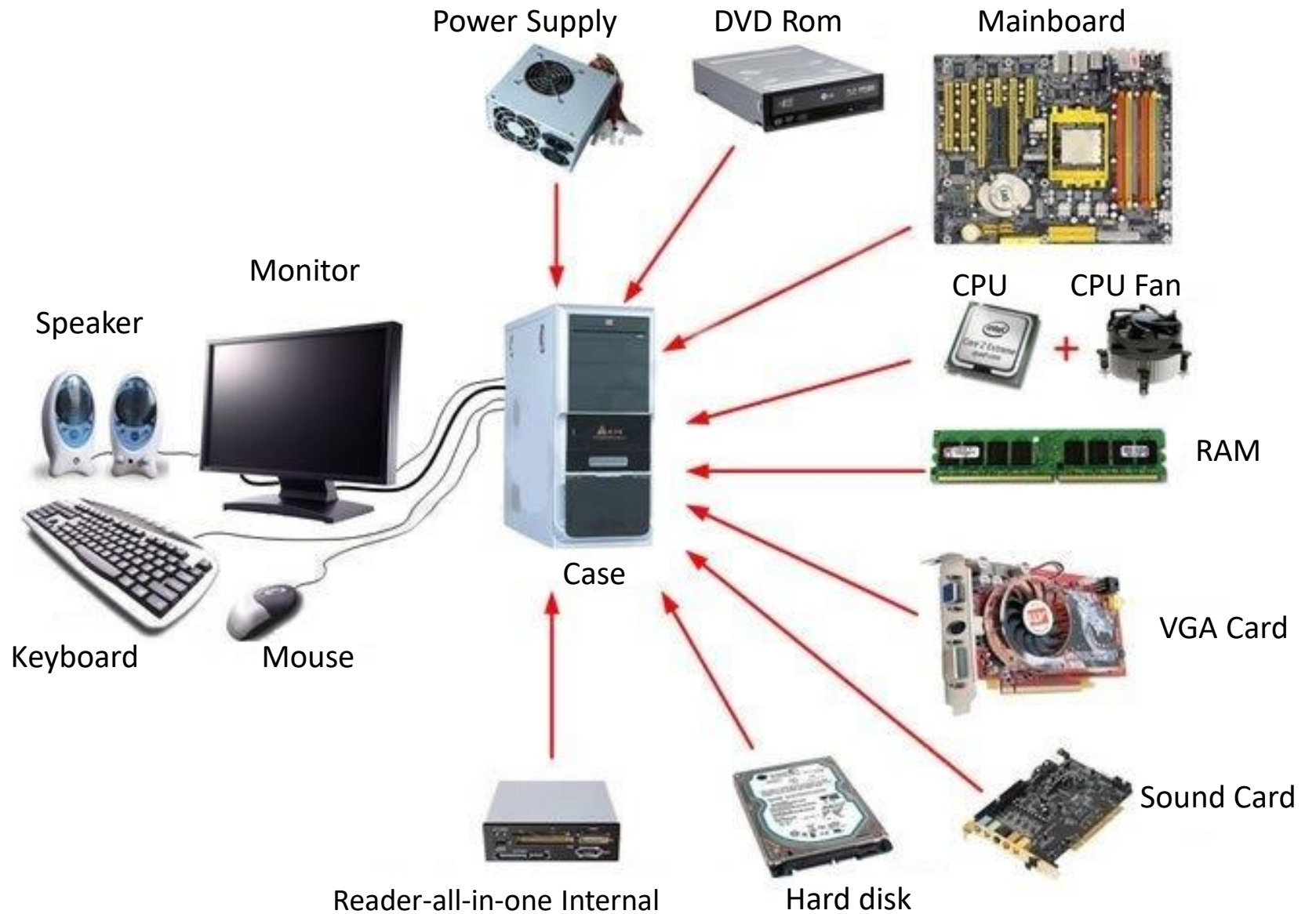


5 MIN



# Hardware Components

## Desktop hardware







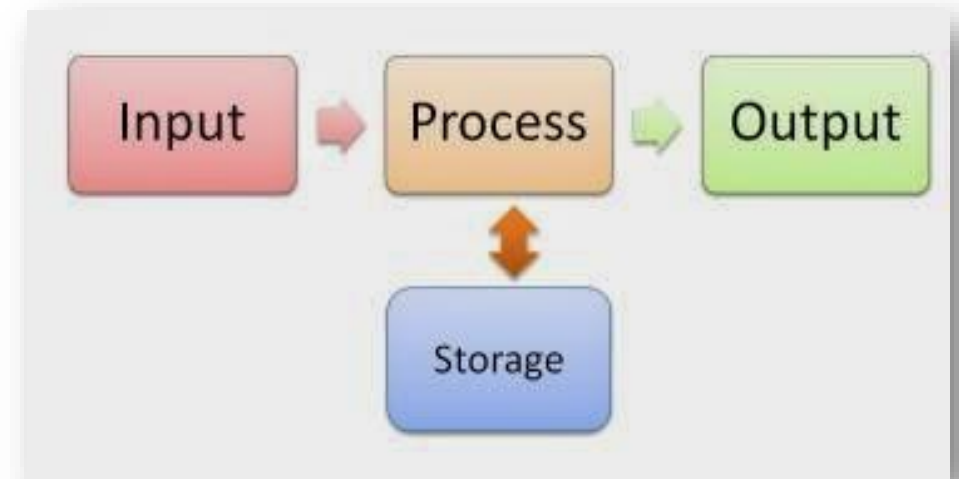
10 MIN



# Computer Basic Operations

Computer accept data from an *Input device* and *processes* into useful information which is display on it *Output device*. These tasks are all related to the four basic computer operations:

- **Data Input** (Use Input device)
- **Data Processing** (Use processor / CPU)
- **Output information** (Use Output device)
- **Storage/Memory** (RAM/ Storage device)

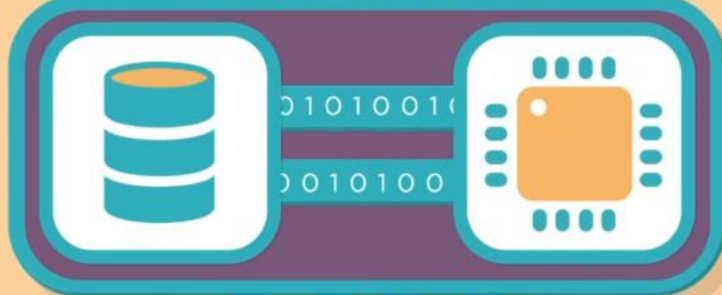




**INPUT**  
CONVERTS PHYSICAL INPUT  
TO BINARY INFORMATION



**MEMORY**  
STORES INFORMATION



**CPU**  
CENTRAL PROCESSING UNIT  
CALCULATES INFORMATION



**OUTPUT**  
CONVERTS INFORMATION  
TO PHYSICAL OUTPUT



# Games Find Input and Storage device



10 MIN



Remote Control



Touch screen



Keyboard



Scanner

INPUT  
device



Mouse



Memory card



CD / DVD



Hard disk



External HDD



SSD M-2



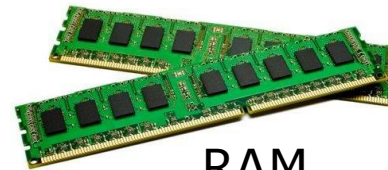
Microphone/Mic



Tape media



Web cam



RAM



USB

Storage  
device

# Basic Operations

**Input device** is any hardware device that *sends data to a computer*, allowing you to interact with and control it.



Remote Control



Touch screen



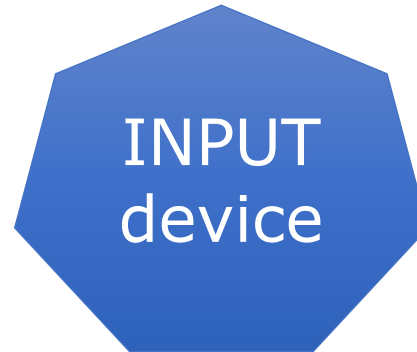
Scanner



Mouse



Microphone/Mic



Web cam



Keyboard



# Basic Operations

**Output** is anything that *comes out of a computer*. *Output devices* can be display screens, loudspeakers, printers and etc.



Headset



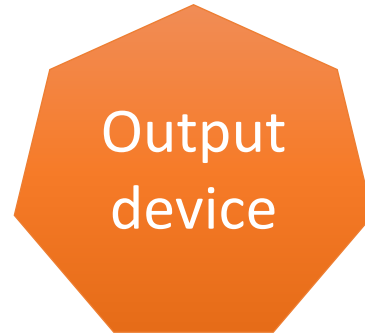
Printer



Display screen/Monitor



Speaker



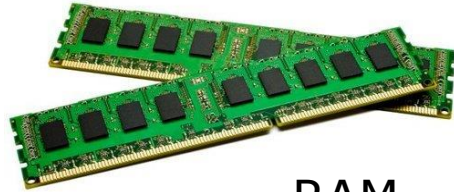
Projector



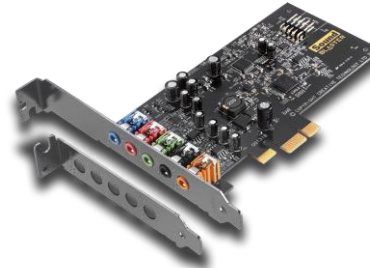
Plotter

# Basic Operations

**Processing devices** are used in processing the data, using the program instructions. They perform *different calculations and also control the hardware devices*.



RAM



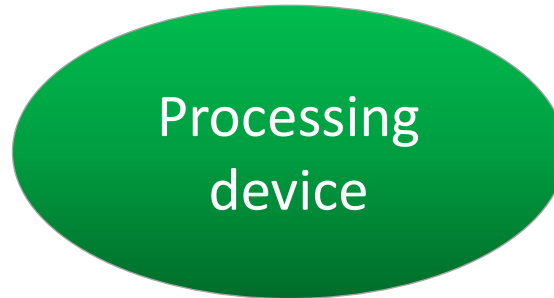
Sound card



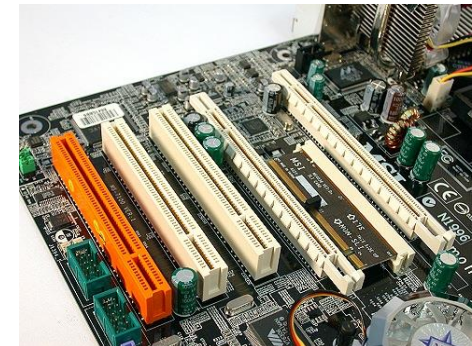
**CPU/Processor**



Motherboard



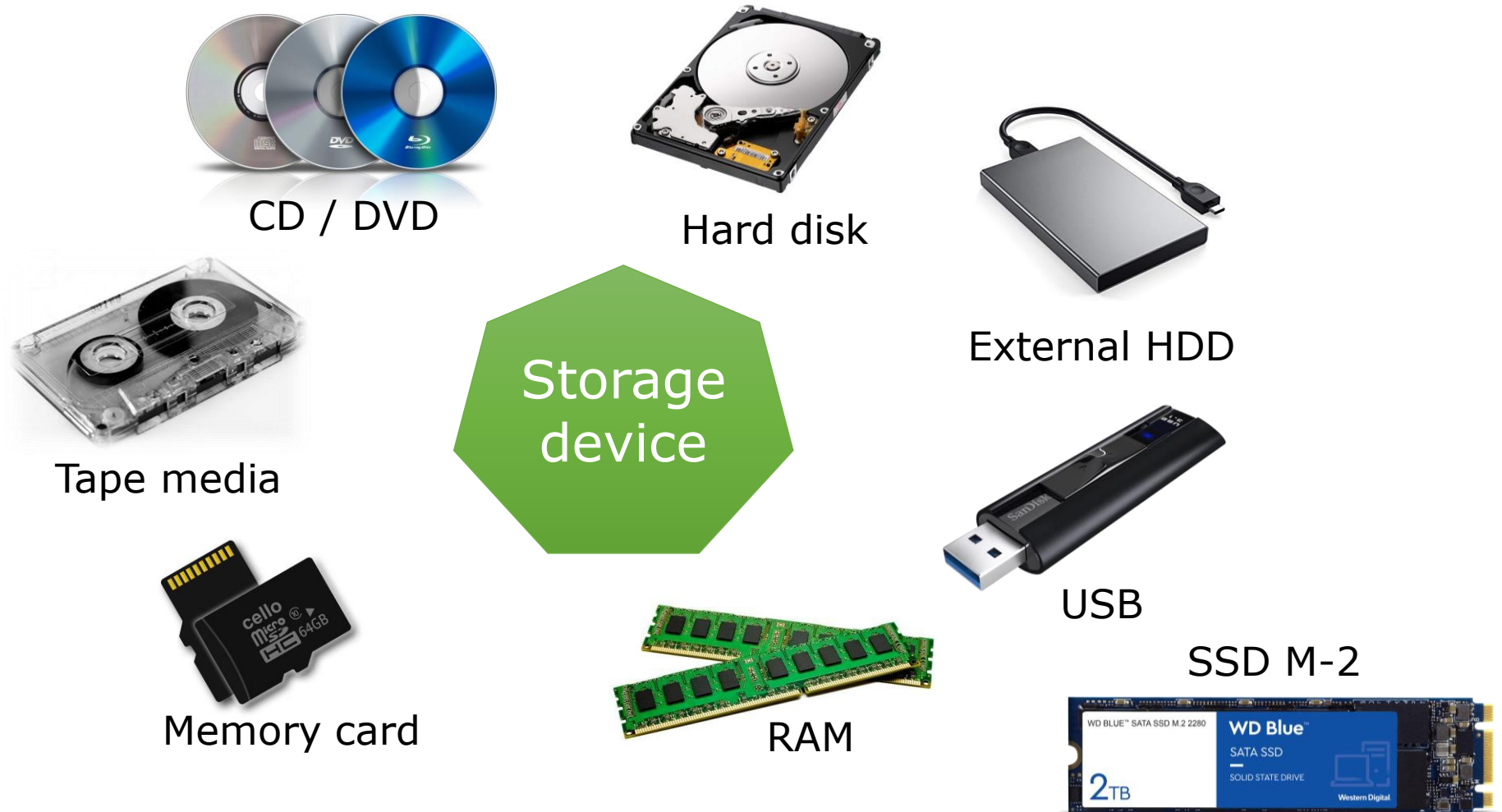
Network card



Expansion slots

# Basic Operations

**Storage device** include any device which will store data until is needed for processing. This can include temporary and long-term storage devices.





# Activity

Look at the picture.

Choose Input and Output devices!



