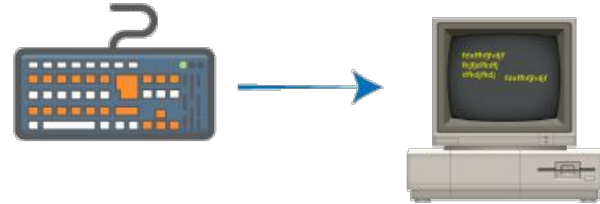# INPUT & OUTPUT DEVICES

GROUP 2

DEFINITION

Input

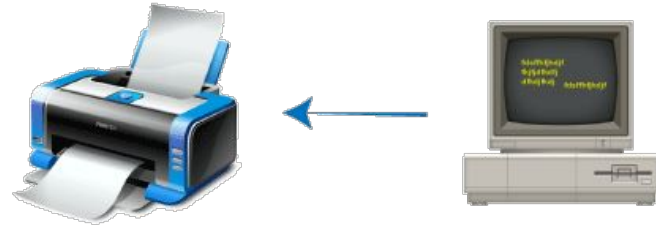Input devices allow the user to **provide data** and **control signals** to the computer.

Output

Output devices are used to **display, project, or physically reproduce** the results of the computer's processing.

Input Example

Output Example

FUNCTION

Input

To **capture data or user commands** and send them to the computer for processing.

Output

To **receive processed data** from the computer and **present it in a human-perceivable form** (visual, audio, or printed).

EXAMPLE INPUT DEVICES

1. Keyboard to capture textual & numerical input,
2. Mouse to capture motion and click-based input,
3. Microphones to capture sound waves,
4. Scanners to capture image data,
5. Virtual reality devices to capture our body movements.

EXAMPLE OUTPUT DEVICES

Projector

The projector display the information in the form of light and images that can be seen by the human eye.
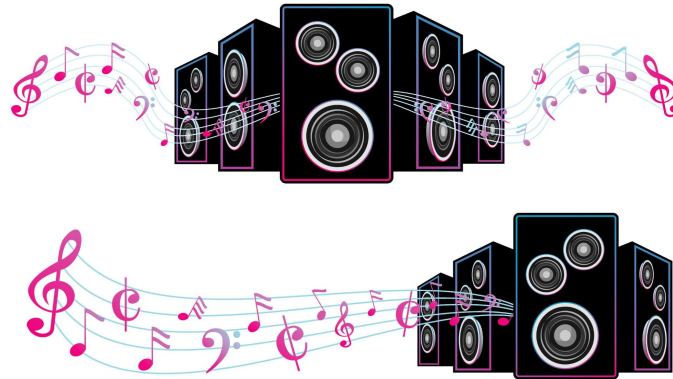
Headphones

The headphones produced the sound and delivered it to the user's ears, allowing them to hear music, speech, or other audio content.

Speakers

The speaker produced vibrations create sound waves, which travel through the air and reach the listener's ears, allowing them to hear the audio.

EXAMPLE OUTPUT DEVICES

HOW INPUT/OUTPUT DEVICES INTERACT WITH COMPUTER SYSTEM?

Input Devices

- Input devices allow the user to send data or commands to the computer.
- Convert physical actions into a digital form that the computer can understand.
- The computer processes the input data to carry out the actions.

Output Devices

- Output devices allow the computer to present processed data to the user.
- Convert the processed data into a form that can be perceived by the user.
- Output devices provide feedback to the user, allowing them to see, hear, or touch the results of the computer's processing.

DEMONSTRATION ON ACTUAL DEVICES

BRAND & MODEL : VIVO Y31

PHYSICAL OVERVIEW :

- DISPLAY - HD+ DISPLAY
- CAMERA - AI TRIPLE
- SENSOR - FINGERPRINT

FEATURES:

- CAMERA - AI, VARIOUS MODES, FRONT CAMERA 16 MP
- BATTERY- 5000mAH, 18W FAST CHARGING
- STORAGE & SPEED - 128GB STORAGE & 6GB RAM

PERSONAL USE:

- DAILY TASKS; CHATS, BROWSING, SET REMINDERS

QUIZZES

1) EXPLAIN THE FUNCTIONS OF INPUT AND OUTPUT DEVICES AND GIVE TWO EXAMPLES FOR EACH.

2) DESCRIBE HOW INPUT AND OUT DEVICES INTERACT WITH A COMPUTER SYSTEM.