3. CPU, Memory, Input & Output

All computers do the same 4 things:

- INPUT
- STORE
- PROCESS
- OUTPUT

Each of these things is conducted by different parts of the computer.

INPUT

- Mouse
- Keyboard
- Speaker
- Microphone
- Camera
  These INPUT devices convert your input into binary information.

Memory

Memory is used to store your input information

CPU

> *CPU means **Central Processing Unit***

This is where the "calculations" are done, the CPU also interacts with the memory to retrieve and send data

OUTPUT

- Screen
- Speaker
  These OUTPUT devices take the information and convert it into physical output.

Putting it together

Say we press the letter A into your keyboard to display into your screen, your keyboard converts that letter into a binary number: *1000001*

1. These binary numbers are sent (INPUT) into the computer

2. **CPU** (**PROCESS**) does a **set of instructions** figure out where and what to display onto the screen.
3. The information calculated by the CPU is sent into the memory (**STORE**)
4. After that that letter **A** onto your screen (**OUTPUT**) given what was stored into the memory.

Source: [How Computers Work: CPU, Memory, Input & Output - YouTube](#)

See Also: