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Homework 1

**Chapter 1**

1. **Input:** Transferring of information into the systems through user input devices to through previously loaded software

**Output:** Output, exact opposite of input. Outputs allows a computer to display information from the system or from the user.

**Processing:** Does all the work by controlling and manipulating data over the entire system

**Storage:** Used to store data temporarily (RAM) or permanently (Hard disk) depending on what needs to be done with it.

1. **CPU**: Controls the operation of the computer and performs its data processing functions

**Main Memory:** Stores data

**I/O:** Moves data between the computer and its external environment

**System Interconnection (System Bus):** Allows for the transfer of data and communication between IO, CPU, and Main Memory.

1. **Control Unit:** Controls the operations of the CPU and overall the computer as well

**ALU:** Performs the computers data processing functions

**Registers:** Provides internal storage for the CPU

**CPU Interconnections(Bus):** Provides communication and data transfer between ALU, Registers and Control Unit

**Chapter 2**

1. Moore’s Law states that the number of transistors that could be put on a single chip would double each year but has been changed/revised to every 18 months since the development has slowed quite a bit in recent years.



