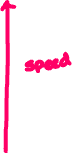
Name: Poleth Salmeron Acosta

1. What are three main purposes of Operating Systems?

* To provide the means for proper use of system resources, make it easier for users to use their computers and System Perspective (control program and Resource allocator)

1. Write the steps of how interrupt is handled by operating system.
   * Interrupts request, interrupts acknowledgment, interrupt vector, context saving, ISR execution, context restoration and resumes process.
2. Draw the Storage device hierarchy, draw the storage capacity and access time along the hierarchy.



1. Write the difference between Distributed system vs. Cloud computing system
   * Distributed system is a collection of physical separated systems that share resources, it has faster speed, functionality, data availability and reliability. While Cloud computing delivers services over the internet(networks) it reduces operating cost and makes it easier to tackle large scale computing problems.
2. What the any three different type of data structure? Describe them in 1-2 sentences.
   * List: represents a collection of data values as a sequence.
   * Stacks: the last item added is the first one removed. It follows the Last In, First Out (LIFO) principle, like a stack of plates—whichever plate is placed on top is the first one you take off.
   * Queues: the first item added is the first one removed, just like people standing in line at a store—those who arrive first are served first. It works on a First In, First Out (FIFO) principle, example cars waiting at a traffic signal.