Introduction to Operating Systems - 23.09.19

* Functions/Services offered by the operating system
* Processor Management: Instruction cycle, what happens in the processor
* Mnemonics (short term for a set of commands that are callable)
* (Detailed explanation of the cisco course, read the Brightspace notes)
* PuTTY – Download it
* Types of Resource: processor time, Memory, Disk Space, Network bandwidth, access to unshared devices (sound card, mouse, keyboard)
* Services (Utilities) = instructions to various parts of the machine
* Trap = preventative measure to prevent commands that may damage, or impair the operation of the computer
* Arbitration: It is a resource manager that manages resources amongst competing programs or users determined by the OS policy.
* Abstraction: IT provides a high-level abstract machine for programmers (Hides the details of the hardware).
* Processor:
* A program consists of sequences of instructions.
* A single processor can run only one instruction at a time.
* The processor performs all types of data operations in its 3 components.