Program Design – 20.09.19

* Sean O’Leary
* SPEUDOCODE
* Computers understand from exact syntax, human language is flexible, computer language is not.
* Semantics refers to the meaning of what you are saying (Purpose of pseudocode)
* Important in this course (Flowcharts)(Pseudocode)
* Von Neumann architecture
* ^ Look that up, not worth writing down another definition of it.
* Algebra (Variable) = Placeholder for unknown quantity
* R=2 Variable on the left, number on the right
* Import Phonebook (MY SUDOCODE)
* Init var (pages)
* Init var (target) = Sean O’Leary
* Init var (people in phonebook)
* FIND (Pages) = 10,000
* FIND (People in phonebook) = Y
* DEVIDE (People in phonebook) by (Pages) = (Number of People per page)
* LOOP (IF {target} = true END LOOP)
* SEARCH [(Pages) = 1] for (target)
* SEARCH [(Pages) = (Pages)+1] for (target)
* (target) = (Pages)
* SEANS SUDOCODE
* Break phonebook in half, check either side of the book for names.
* If that name is less then or greater than our target, choose side which is less then
* Keep halving until the target is found
* Init A = 57
* Init B = 79
* Init C
* Init D
* A = C
* B = D
* B = C
* A = D
* PRINT (A and B)
* 79 and 57

^ Change A and B to B and A