10-4-2021 Notes

* While Loop
  + While (condition)

{ …..

if (condition 2)

{

}

(OR ANY VALID CODE)

}

* + You can nest and stack repetition control structures
  + Has 3 parts:
    - Counter Variable Definition
    - Building a condition that uses the counter variable
    - Update the counter variable
* Counter controlled loop
  + A loop that is controlled by a counter to execute a piece of code a defined number of times using a counter
* Num++
  + Num + 1 (increment operator)
* Infinite Loop
  + Usually, a logical error that runs the program continuously
* Sentinel Control Loop
  + Sentinel is a special value we request from the user
  + “Type in -1 to stop the program”
  + 3 parts
    - Predetermined sentinel value in mind
    - Condition based on that sentinel value
    - Read in each value one at a time