Andrew Plum

Cs 120

9/13/21

Week 5 Notes

* For loop
  + For (int i = 0; i < 10; i++ [or i = i + 1 or i += 1]){

…

cout << i << “:”;

sum = sum + counter;

…

}

* + - “int i = 0;” is done once at the beginning
    - “i < 10;” conditional: tested at the beginning of each loop
    - “i++” incrementor: done at the end of the loop;
      * Can also be subtraction as well as any kind of statement you want as long as it its valid.
      * i += can also be any other valid calculation operator like -,\*,/
      * Can count by decimals
* Review
  + Variables
    - Container which stores information
    - Examples
      * Int x;
      * Double counter;
      * Char a;
      * String Dog;
  + Conditionals
    - If something is true then do
    - Examples
      * If statements - done once
      * Loops done possibly once or more
        + While loop
        + Do-while loop
        + For-loop