CS NOTES 9-13-21

**Output Manipulators**

* Keyword that is sent to standard output (**cout**) using << in order to change the formatting of the output
* Example = **endl;**
  + Causes a new line in the output (given to us through the <**iostream**> library)
* **<iomanip>**
  + Includes **fixed** which forces floating point notation and scientific notation
* **Setprecision** sets the decimal precision or how many decimals you want to see
* 2 kinds of manipulators:
  + Sticky and non-sticky
  + **Fixed** is a sticky manipulator (it stays fixed until changed by the coder)
  + **Endl;** is a non sticky manipulator (it only effects a certain portion/line of the code)
  + **Setprecision** is a sticky manipulator
  + **Setw** is a non-sticky manipulator that sets width within a line
  + **Showpoint -**Forces Decimal to be shown