ITP 365

Lecture 7

1/31/17

More Operator Overloading, intro to recursion

* a + b is the same as operator+(a, b)
  + Not a friend function
* a += b
* a.operator+=(b)
* (a+=3)++ -> adds 4 to add
* **Recursion**
  + **Sometimes called divide-and-conquer**
  + **Factorial**
    - **If (num == 0)**
      * **Return**
    - **Else**
      * **Return num \* Factorial(num – 1)**
  + **Base case – what prevents recursive function from going on forever**
  + **Recursive call**
* Lab
  + 235.12
    - To get the whole number on left side you truncate using int(235.12)
    - To get the 12 after the decimal, do int (235.12 \* 100) % 100