

## LAB 07

### SUBMISSION INSTRUCTIONS

Submit 1 python file using the naming convention below (replace **JaneDoe** with your first and last name respectively):

- JaneDoe7\_1.py

### QUESTIONS

1. Edit the functions in **JaneDoe7\_1.py** according to the instructions below to obtain the sample output shown in the code comments (you must use recursion in all the functions):
  - a. **one**: A function that accepts a positive integer argument and returns the sum of all the integers from 1 up to the number passed as an argument.
  - b. **two**: A function that accepts two positive integers: the number to be raised (num), and the exponent (pow). The function should return  $\text{num}^{\text{pow}}$  e.g., if  $\text{num} = 2$  and  $\text{pow} = 3$ ,  $\text{two}(2,3) = 2^3 = 8$ .
  - c. **three**: A function that accepts a positive integer and prints out all the numbers from the number passed up to 1.