CS 101
HOMEWORK 4: WHILE LOOPS

- Create a new Python script file that you will name *CS*101_*Homework*4.*py* Save this file in a folder on your computer where you will keep all your homework assignments.
- When finished, upload your file in Google Classroom using the Homework 4 assignment link. Don't forget to add comments at the beginning of each task and throughout your code for clarity.
- Answer all questions using while loops. We will learn about for loops next class.

TASKS

1. Display the numbers from -3 to 18 in order.

2. Write a program to add all numbers from 1 to 1000, inclusive.

3. Same task as the previous problem but instead ask the user for both the starting and ending numbers to add up and display the result.

4. Write a program that prints the factorial of a positive integer the user enters. Hint: $n! = n * (n - 1) * .. * 2 * 1$

*5. Write a program that asks the user for an integer and print the number of digits in the integer they entered. Hint: use the % operator