CPSC 230: Computer Science I
Spring 2018
In Class Programming Assignment: While Loops
Due: In 30ish minutes

The Assignment

Now that we are all familiar with the while loops, let's get some practice before we move on. Sum.py and Con_Sum.pu are required, Perfect_Square.py is additional practice if you finish early. You may work with a partner.

Sum.py: Write a python program that prompts the user for the how many numbers he/she would like to sum and then asks the user for each number and displays the sum.

Con_Sum.py: Write a program that prompts for an integer—let's call it x—and then finds the sum of x consecutive integers starting at 1. That is, if x = 5, you will find the sum of 1 + 2 + 3 + 4 + 5 = 15.

Perfect_Square.py: Write a short program prompts the user for a number, print out whether the number is a perfect square, and prompts the user for another number if the number was not a perfect square.

A perfect square is a number that has a whole number square root. For example, 25 is a perfect square, because 5, is a whole number.

Due Date

This assignment is due at 10:40pm on 9-20-2018. Submit via Blackboard; create a zip file with all your files in it. It should be labeled firstinitiallastname_ICA1. Please make sure to include all the required files (README, source files).

Grading

Assignments will be graded on correctness, adherence to style, and the inclusion of meaningful comments.