# Introduction to Computer Science and Programming 1

# CSCI120

### Chapter5: Iteration

### Chapter5-Sample Coding

**Note:** This document has been designed and developed as part of an initiative for creating an OER (Open Education Resource) package for the course CSCI 120 at Columbia College.

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# Problem1

* Write a Python program that asks the user to enter numbers until the user enters 0. The program checks whether the user has entered the number in ascending order or not.

# Problem2

* Write a Python program that finds all prime numbers between 3 and 200.

# Problem3

* Write a Python program that count how many numbers between 100 and 999 exists whose total sum of its digit is less than 15 and bigger than 10 (including 10 and 15).

# Problem4

* Write a Python program that calculates the following mathematical function without using exponent operator (\*\*) and calculate the value of the function for x=5, y= -2
  + F(x,y) = x6+(x-y)10

**Good Luck ☺**