

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 $x=5$, $y=-2$
 - $F(x,y) = x^6 + (x-y)^{10}$

Good Luck 😊