# Introduction to Computer Science and Programming 1

# CSCI120

### Chapter14: Data Structures and Algorithms

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

* Design and implement a function which reverse a string using Stack.

# Problem2

* Design and implement a function which does insertion sort on a list of integers.

# Problem3

* Design and implement a function which merge two list together in a sorted list.

# Problem4

* Design and implement a function which using Stack specifies whether a string is palindrome or not.

**Good Luck ☺**