



## Introduction to Computer Science and Programming – CSCI125

### Lab 2

February 3, 2020

### Problem1

- Write a CPP function called, sum which asks the user to enter a number and then calculate the sum of its digits. For instance if the number is 123 the algorithm return 6 which is the result of  $1+2+3$

### Problem2

- Write a CPP function called, reverse, which asks the user to enter a number and then return the reverse of the number provided that the number is positive and not divisible by 10.

### Problem3

- Write a CPP program called max which asks the user to enter a number and then find the biggest digit in the number. For instance if the number is 879, the answer is 8.

### Problem4

- Write a CPP function called, switcher which takes 2 input: 1- A number (like 123) and 2- The operation which could be (reverse, sum, max) and then calls the proper functions defined above and returns the results.