## Lab 07 - Loops

Direction: Submit your typed work(s) as an upload(s) to the Labs directory of your GitHub repository or Dropbox, or in your correct Lab07 google classroom assignment. Each part should be a separate files. The files named should be "lab7A.cpp" and "lab7B.cpp" respectively.

## Part A: In class

Your objective is to write the definition of the function OddsVEvens() whose header is

string OddsVEvens(const int data[],int n)

Given that n represents the size of data, the function returns "Odds" if the sum of the odd numbers in data is greater than the sum of the even numbers in data, "Evens" if the sum of the even numbers in data is greater than the sum of the odd numbers in data, or "Draw" if the sums of the odd number and even numbers is equal. Assume that all the values of the elements of data are positive.

## Part B: Take home

Your objective is to write the definition of the following functions

a. Write the definition of the function FirstPrimes() whose header is

void FirstPrimes(int primes[],int n)

Given that n represents the size of primes, the function assigns the first n prime numbers to the elements of primes in ascending order.

b. Write the definition of the function TwoSum() whose header is

bool TwoSum(const int a[],const int b[],int n,int target)

Given that n represents the size of both a and b, the function returns true if there exists an element in a and an element in b whose values sum to target; otherwise, it returns false.