More Arrays + Strings

**Section 1: Define / Answer**

How are Strings and Arrays similar in C++-

They are both objects and collections of primitive data types e.g. integers, floats, characters, etc.

What do we call the combination of 2 Strings? Concatenation

C++ Library (Give Examples of code you have used from the C++ Library)-

OPERATING ON STRINGS or String Operators

*isalpha* -

*toupper* -

*.length()* -

*etc..*

Linear Search (explain)- Sequential search through iteration.

“Common” Algorithms-

Algorithms are instructions, or a set of procedures, for a computer program to run. Through much use, they become convention, which makes them common.

“Programmer Created Algorithms”-

Algorithms created by programmers that may or may not be commonly used.

Programming Assignment:

Task 1- Write a program that allows the user to enter a String and creates a [*“Ceasar” Cipher*](https://www.youtube.com/watch?v=sMOZf4GN3oc) encryption of the input. Change each character by 5.

Output the encoded message.

Attach Snipping Photo and source code.

Task 2:

Create an array that holds 1000 random integers between 1-1000.

Allow the user to enter an integer to search.

Output the location of number if it exists in the Array. (Number could appear more than once.)

or

Output number does not exist in the Array.

