CPSC 1160: Assignment 2[25 marks]

Exercise 1 [22 marks]

- Write a program that will print out all possible combinations of the characters (^ V > <), each character can only be used once per combination

You must write at least three functions

- int main()
  - Which is the main function. Keep it brief
- A recursive function that generates all possible combinations, remember you can have loops in a recursive functions
- A recursive function that will print out a combination
- You can write more functions if you wish

YOU ARE NOT ALLOWED TO USE STRINGS OR VECTORS TO SOLVE THIS PROBLEM. BUT YOU WILL NEED ARRAYS

SAMPLE OUT

^V><
^V<>
^>V<
^><V
^<V>
^<>V
V^><
V^<>
V>^<
V><^
V<^>
V<>^
>^V<
>^<V
>V^<
>V<^
><^V
><V^
<^V>
<^>V
<V^>
<V>^
<>^V
<>V^

Submissions

Make sure that your code is neat and is well commented [3 marks]

Check that all of your programs work the way they are intended to work by running them with different inputs

Submit to D2L a zip/archive file containing only the .cpp you have written