Summary:

In this project, we implemented a program that checks input sentence is palindrome or not. The program reads sentence from the user and saves it in a character array. Because it manipulates text, it uses a string type (an array of characters) and string functions from the string.h library.

Because the program uses functions to store string as character array, it illustrates passing (call by reference) array and string as parameters. These functions uses stringname.size(), toupper(index) and explicit conversion to run the program and it helps in the precondition check for characters limit. It uses functions overloading and uses of C++ language. The main part of the program is that if the characters exceeds the limit of 80 characters the function calls itself and program re-compiles itself.

Doing this project, I became aware of many string library functions and use of character array. I got familiar to use of c++ language and could recap many items and gave me a head start in the class.

The program could be extended in several ways that would make it more useful use of string.h library like strlen() and e0f() . The use of string library would make the program look simpler and less complicated. These include the removal of characters from the string array and check of palindrome using the functions itself.