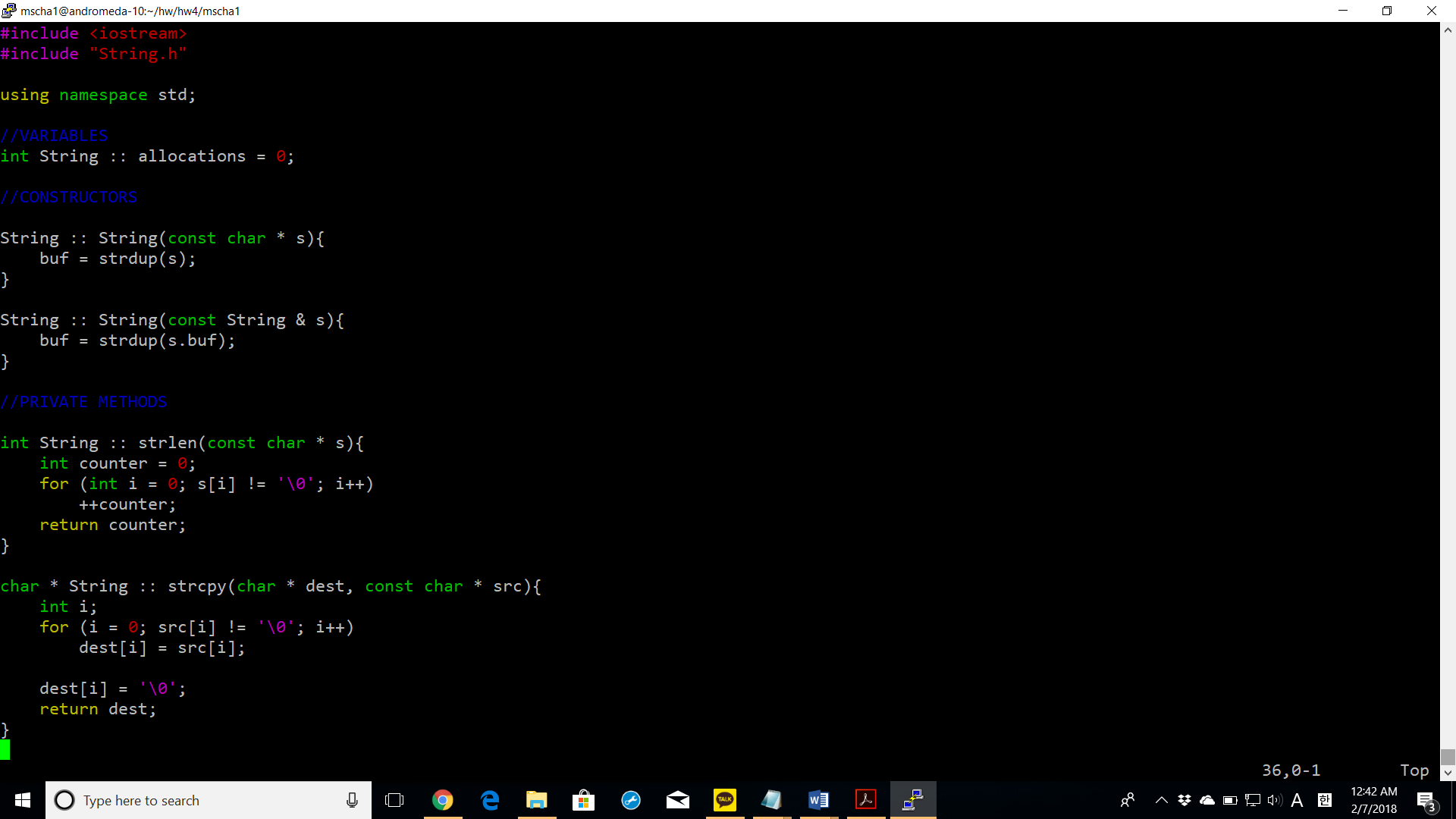
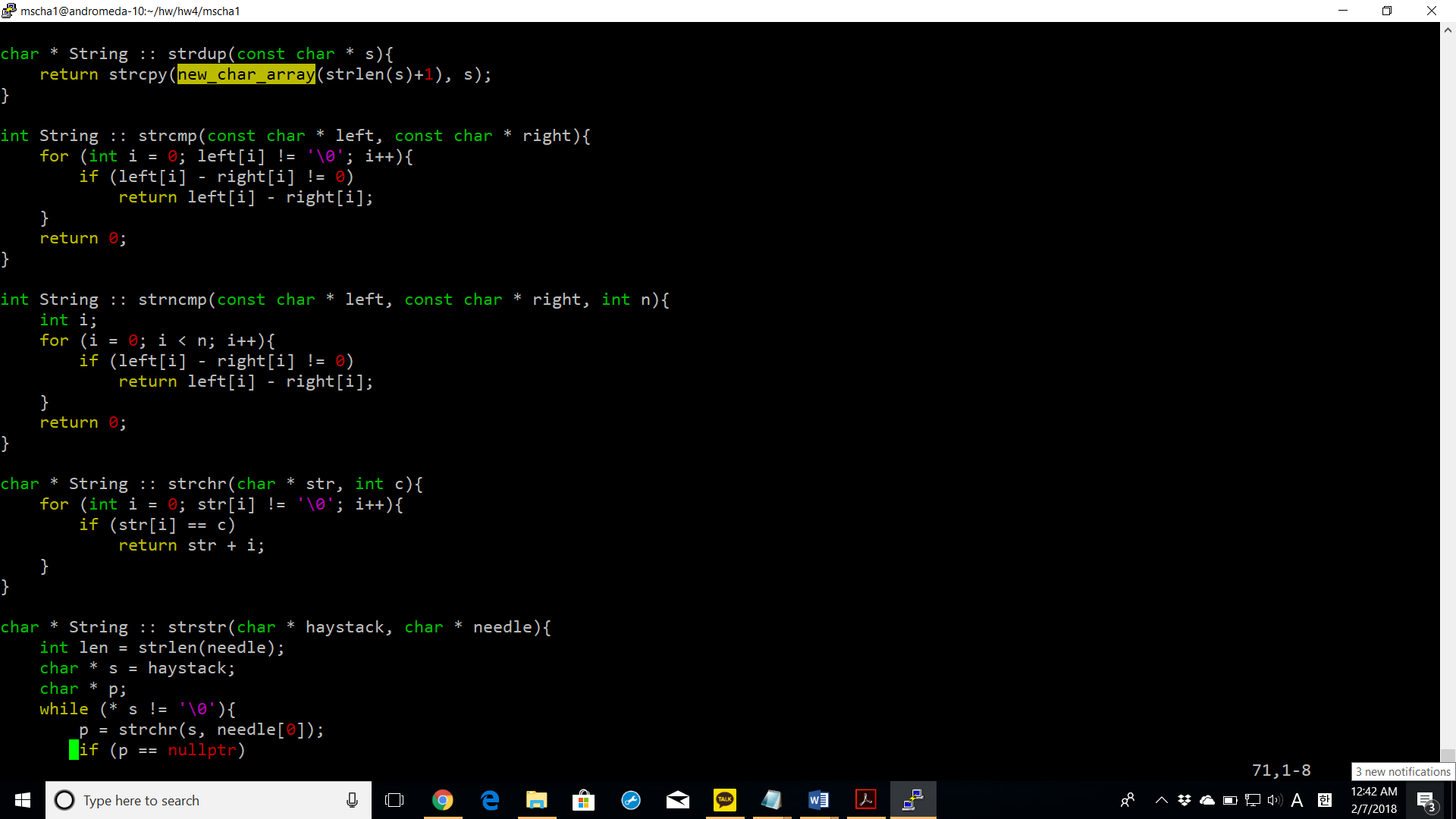
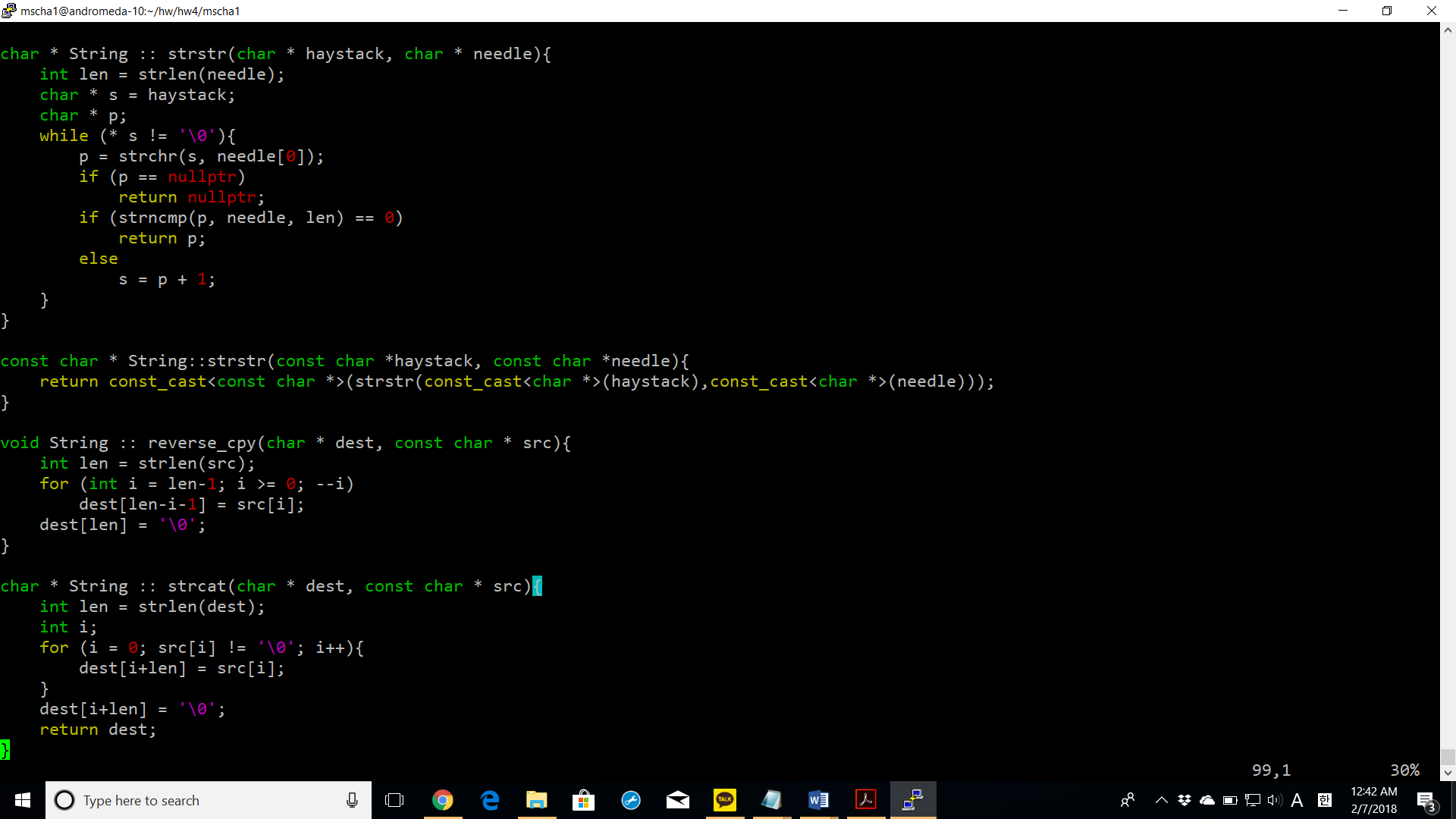
Name: Min Sung Cha Student ID: 85408485

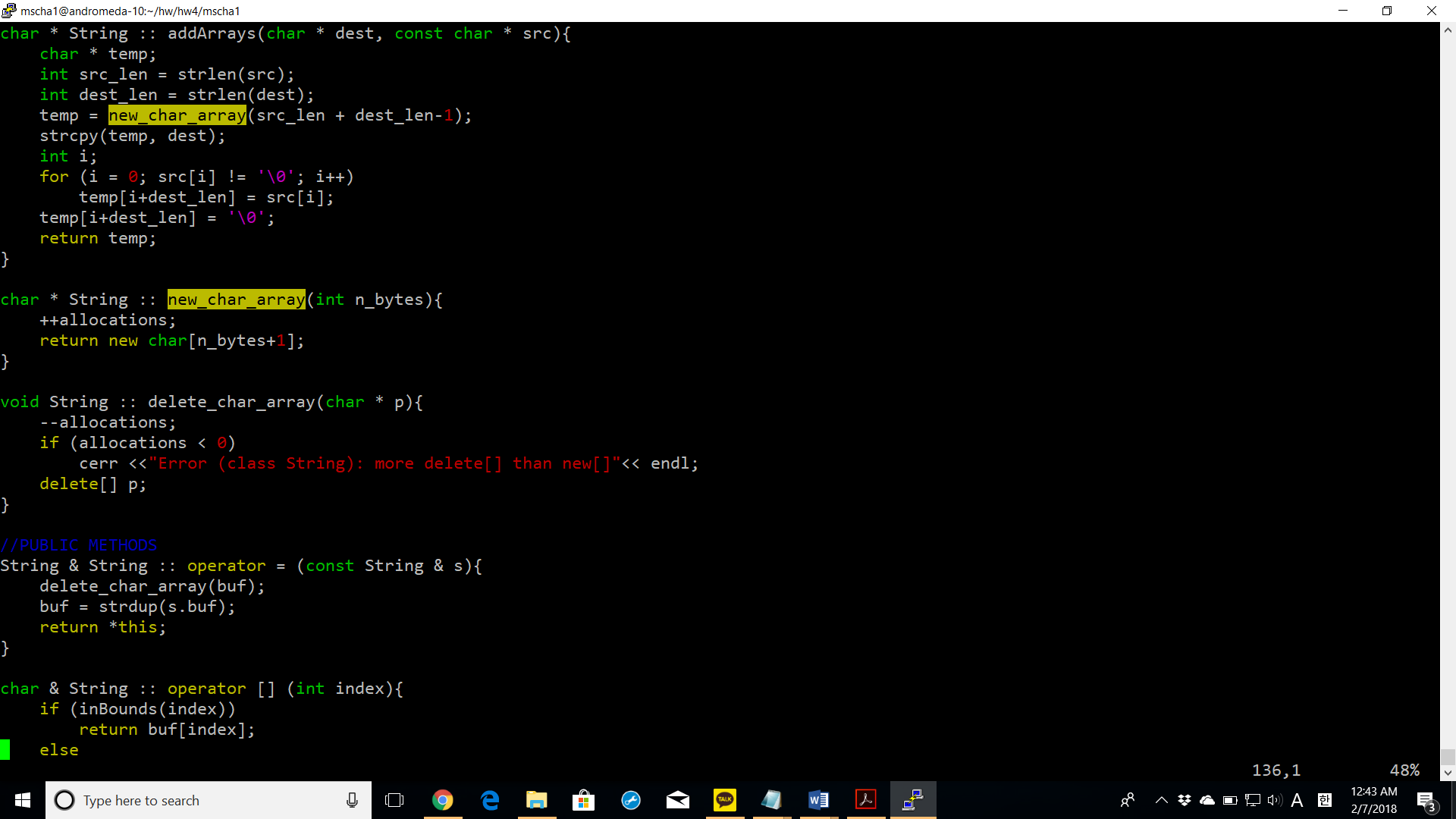
Analysis of a few functions and any embedded functions

**String.cpp**







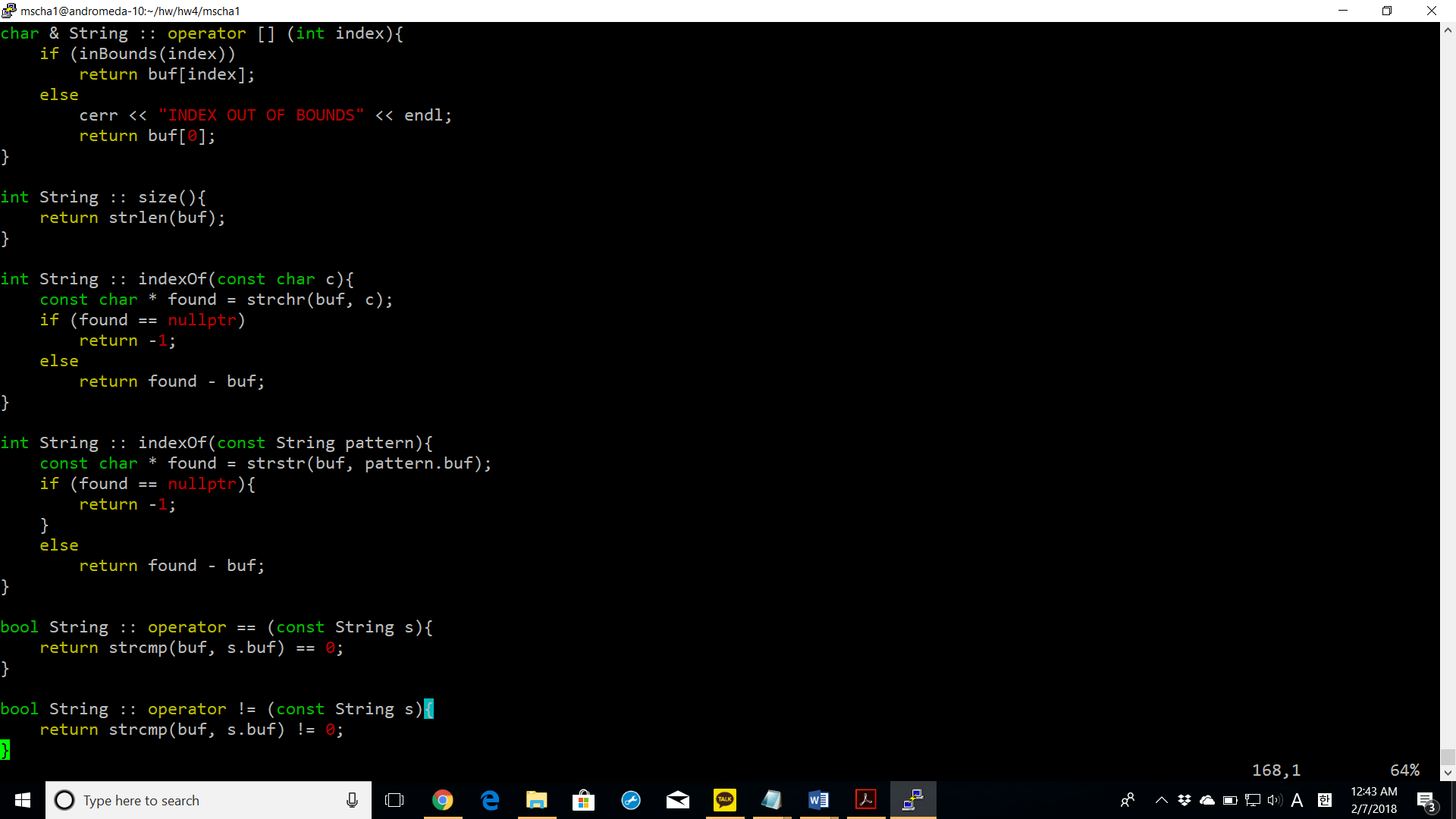


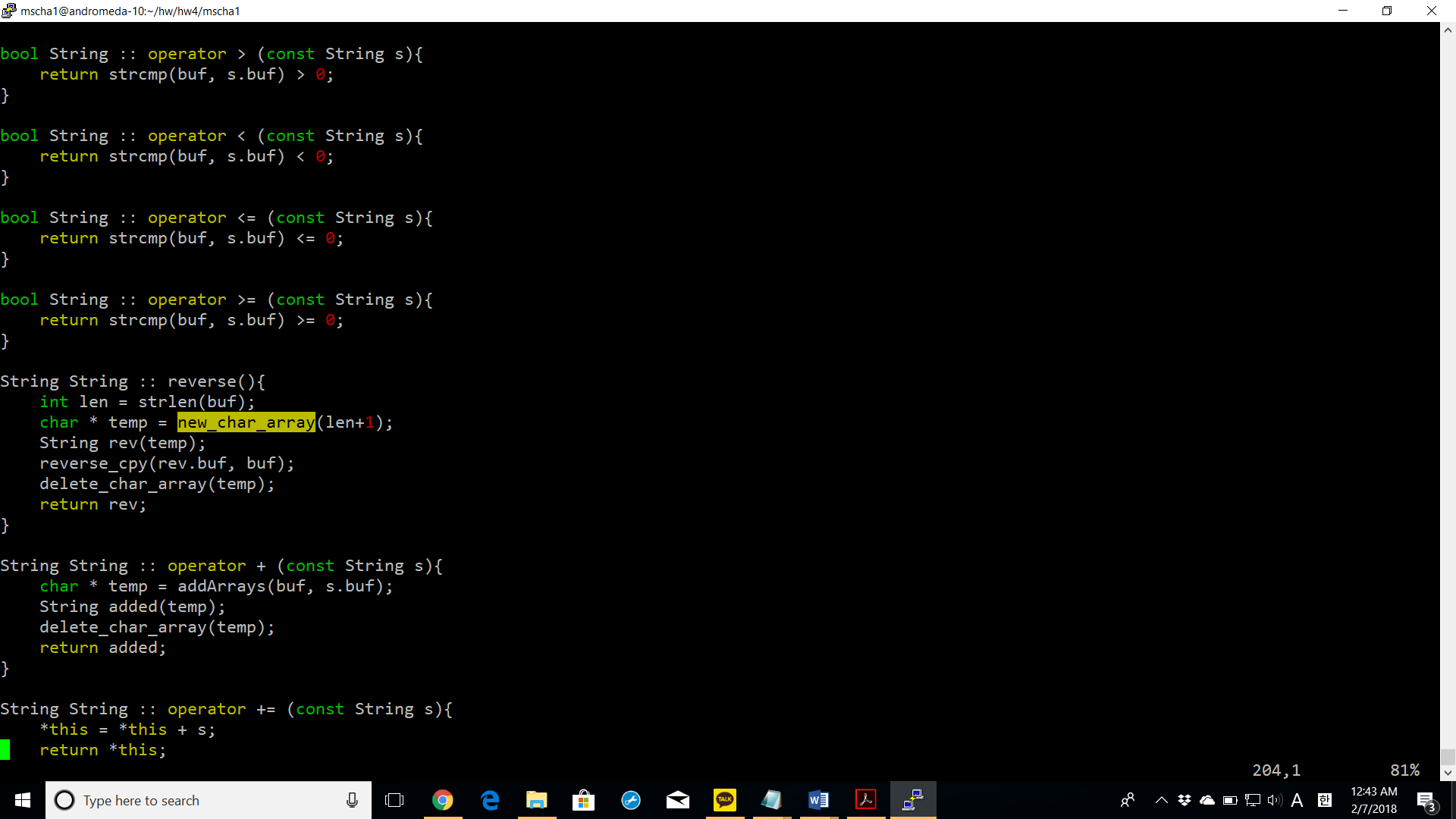
addArrays: creates a temporary pointer that points to a new array of the size of both dest and src arrays and dest and src are copied inside the temporary pointer.

new\_char\_array: creates a new array of characters of the size passed in the parameter.

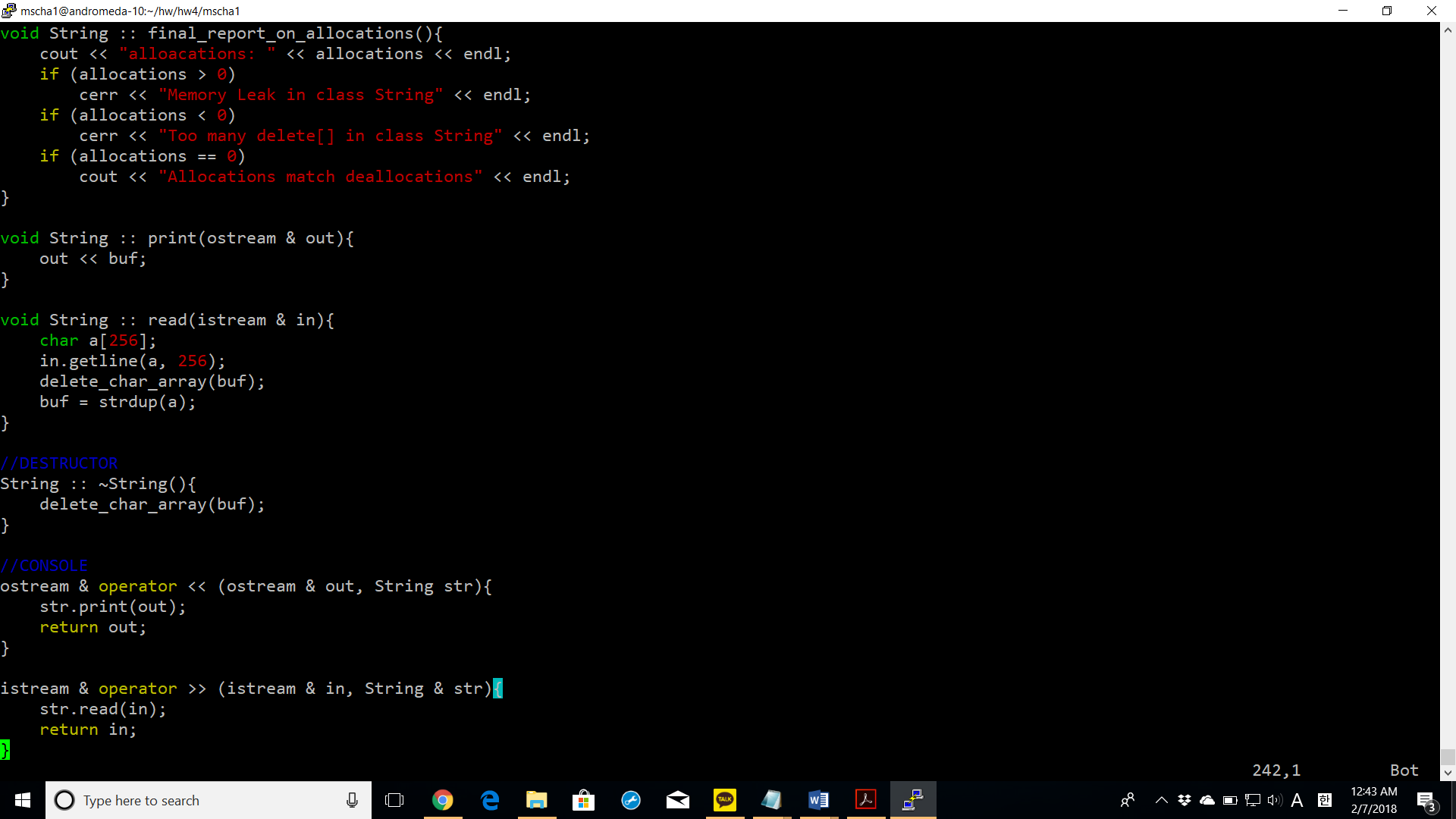
delete\_char\_array: deletes the array specified in the parameter.

operator = : deletes the current array and assigns it to the array of the String passed in the parameter.



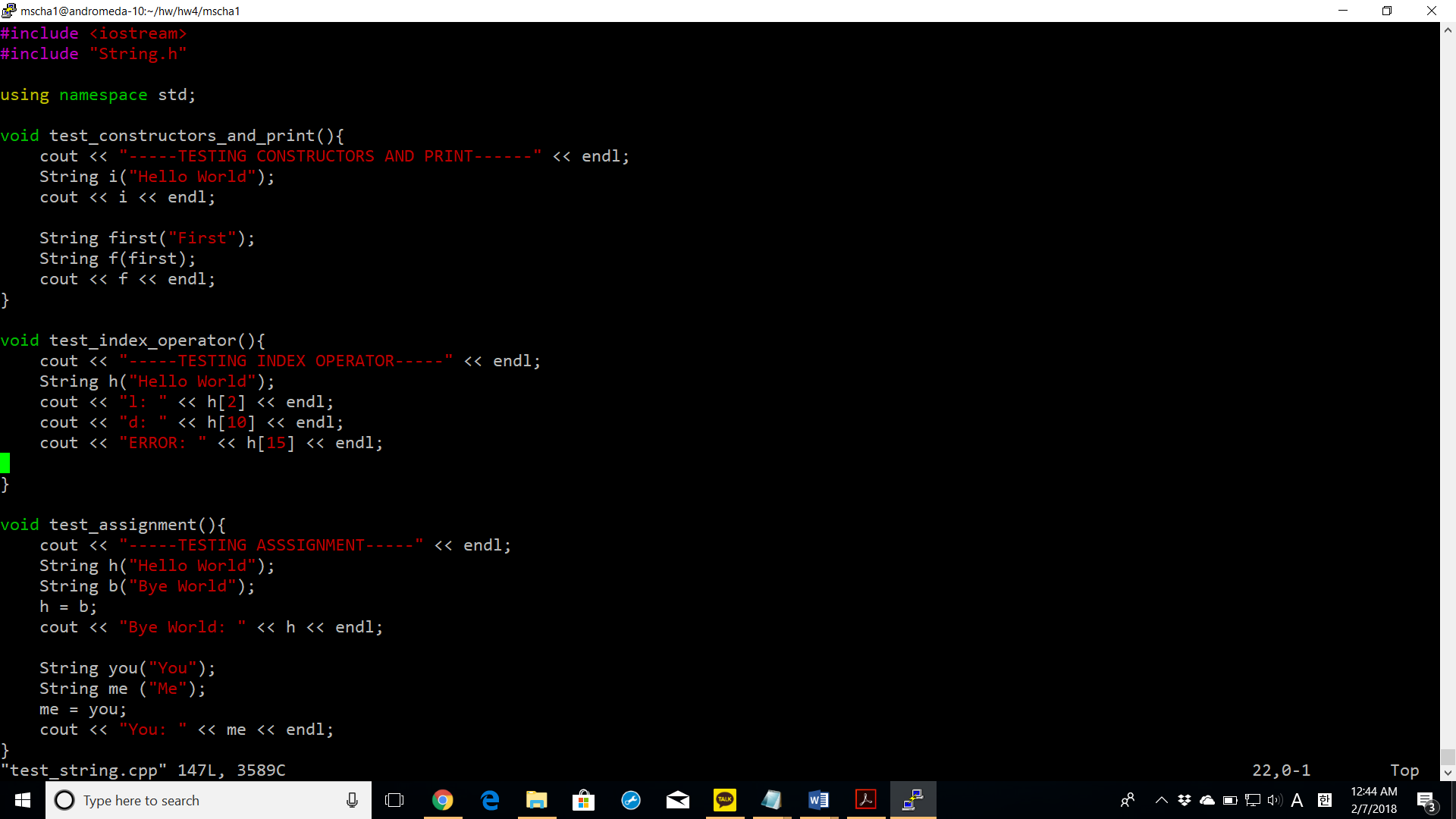


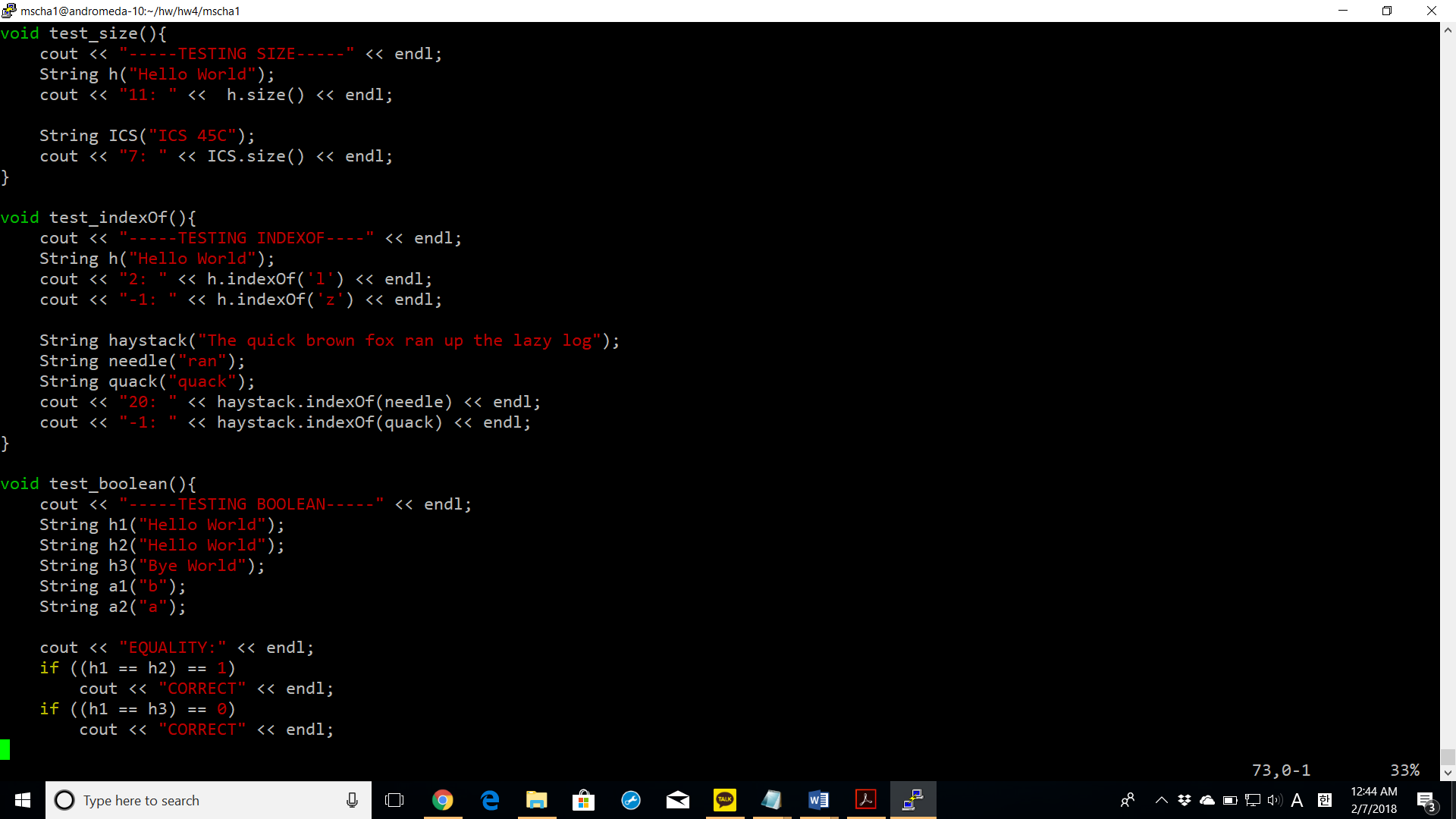
reverse(): creates a new String object passed with a temporary array of characters and the reverse of the current string is copied to the new String object.

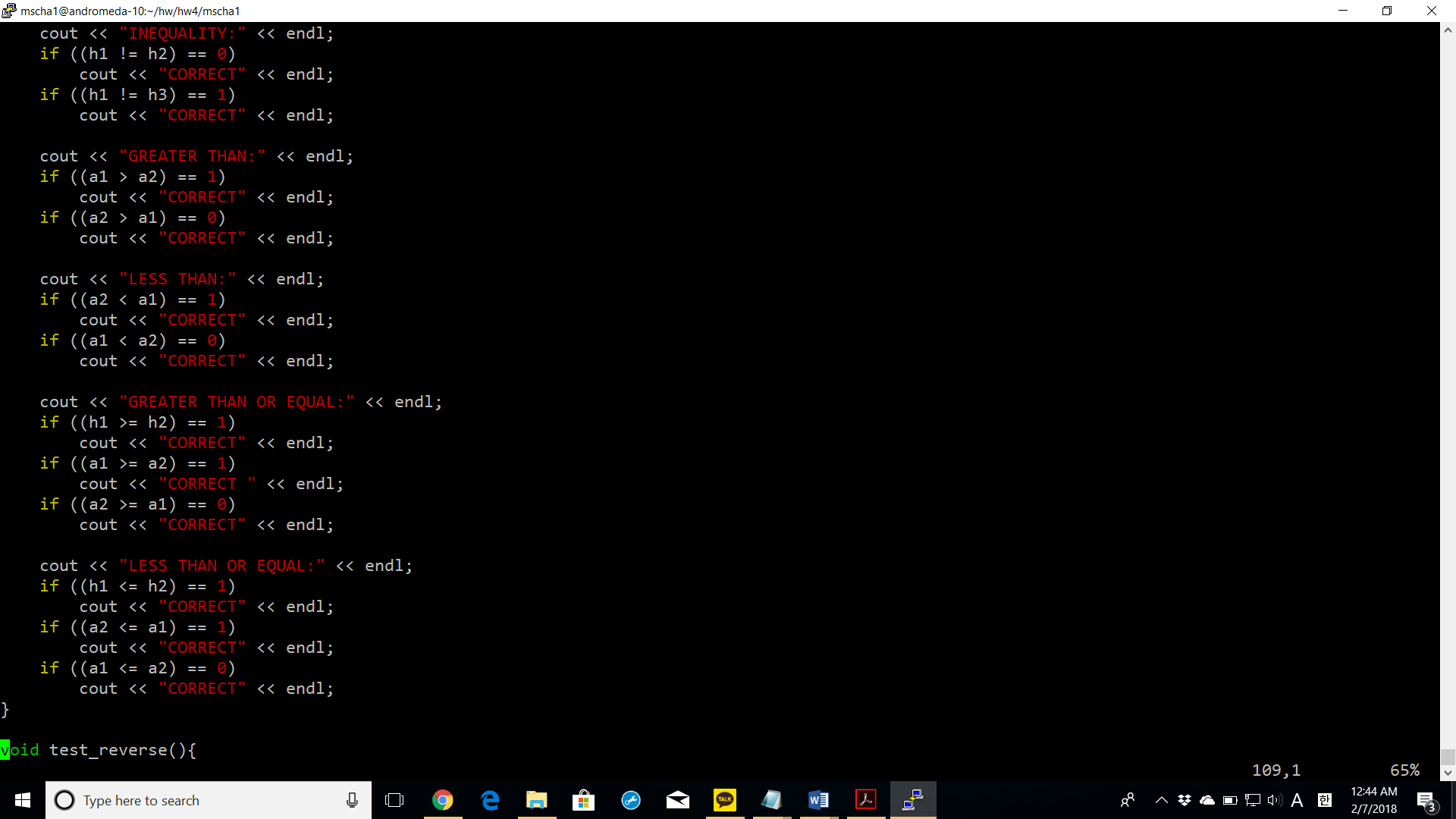


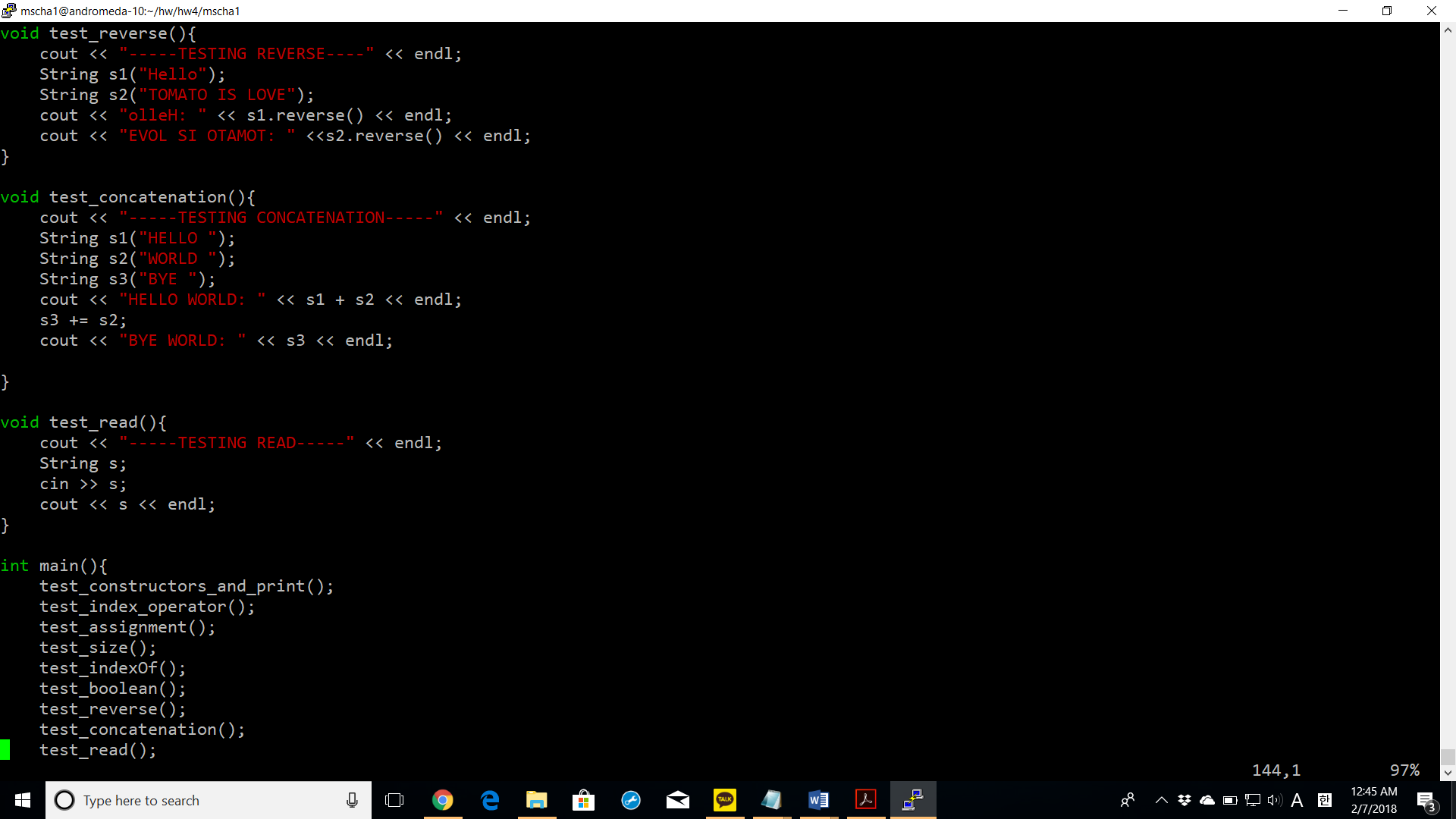
~String(): the buf of this String is deleted.

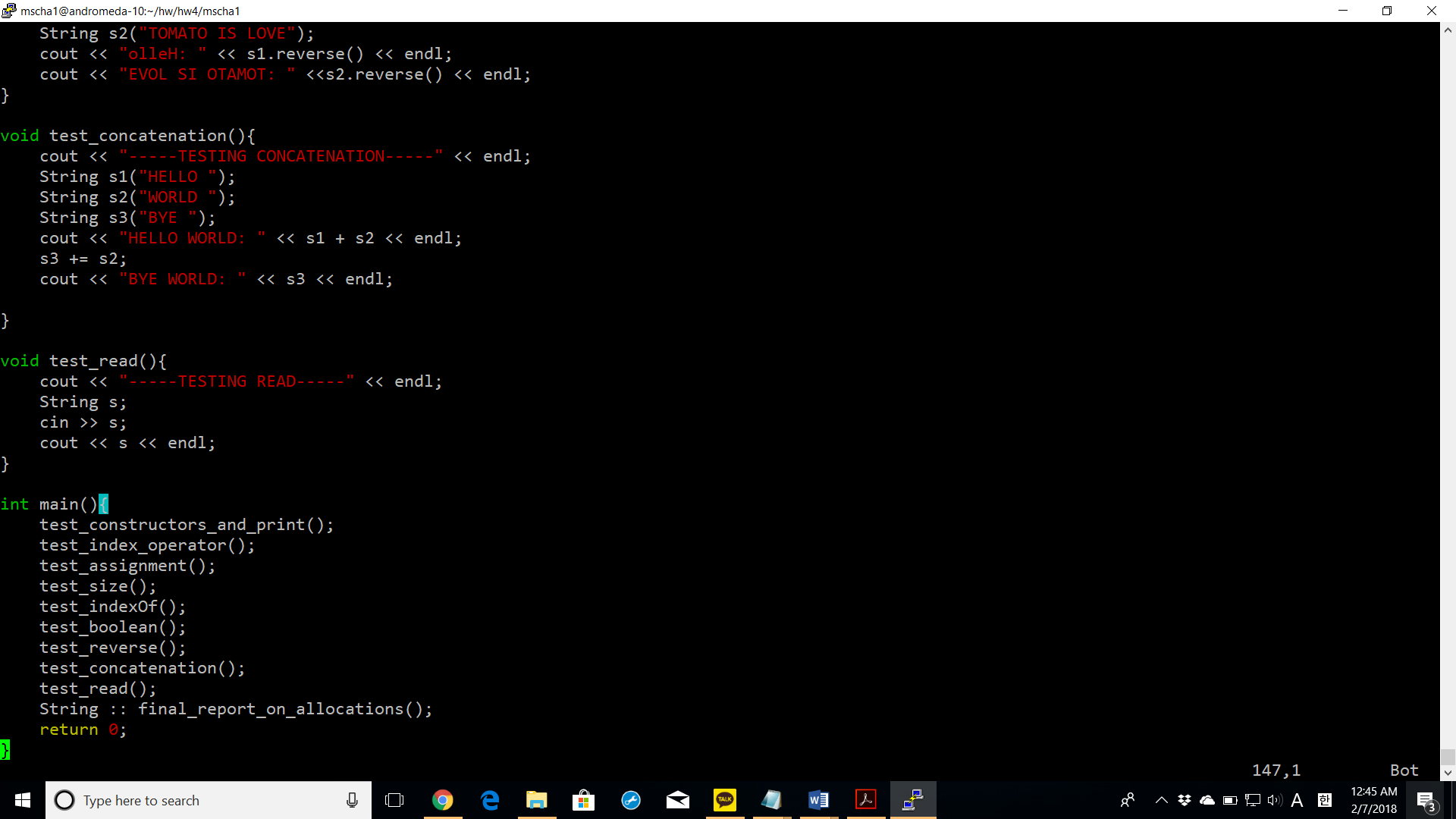
**test\_string.cpp**



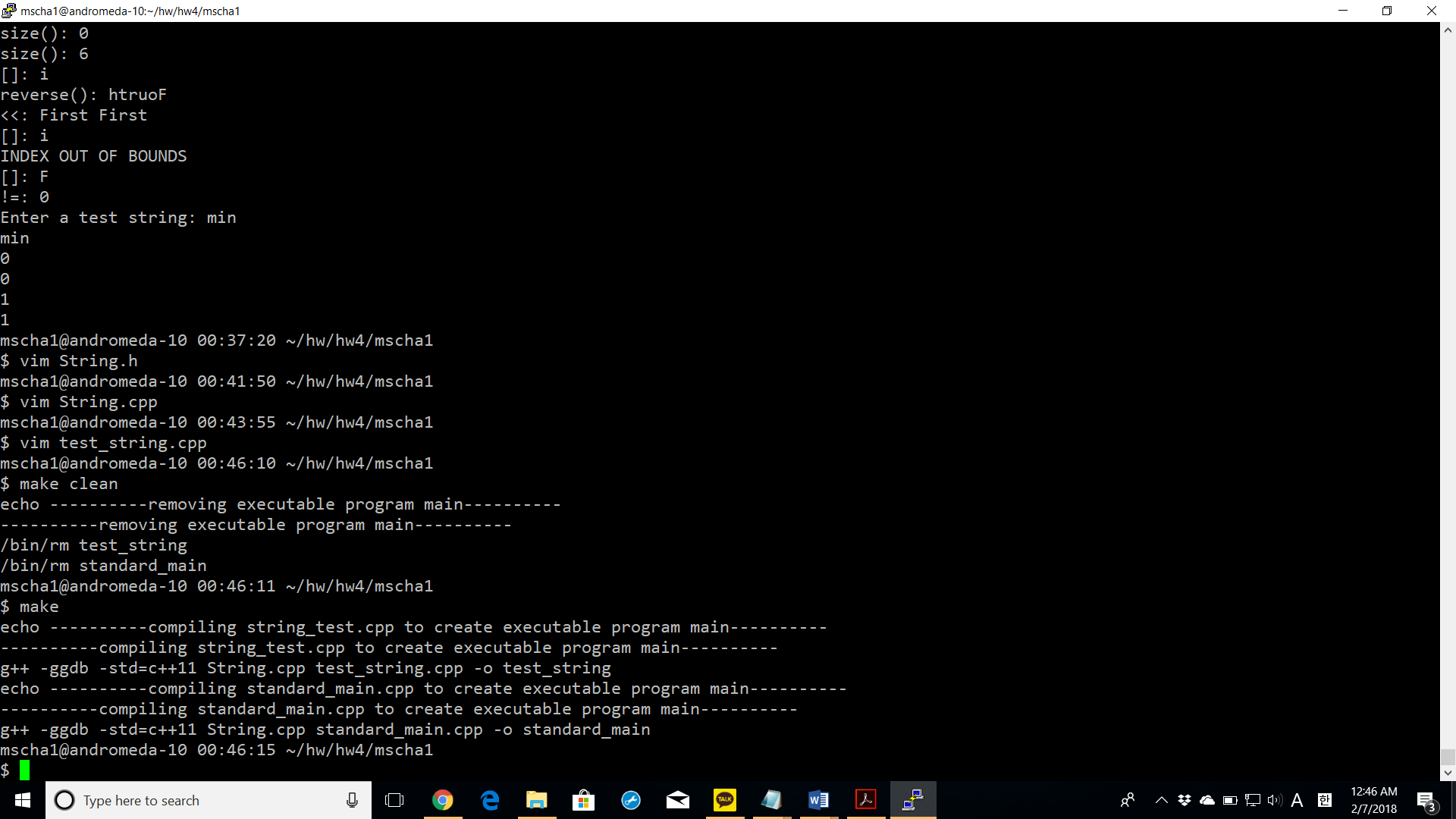








Screenshots of successful compiling with make command



Screenshots of successful execution with valgrind command

