Problem 2
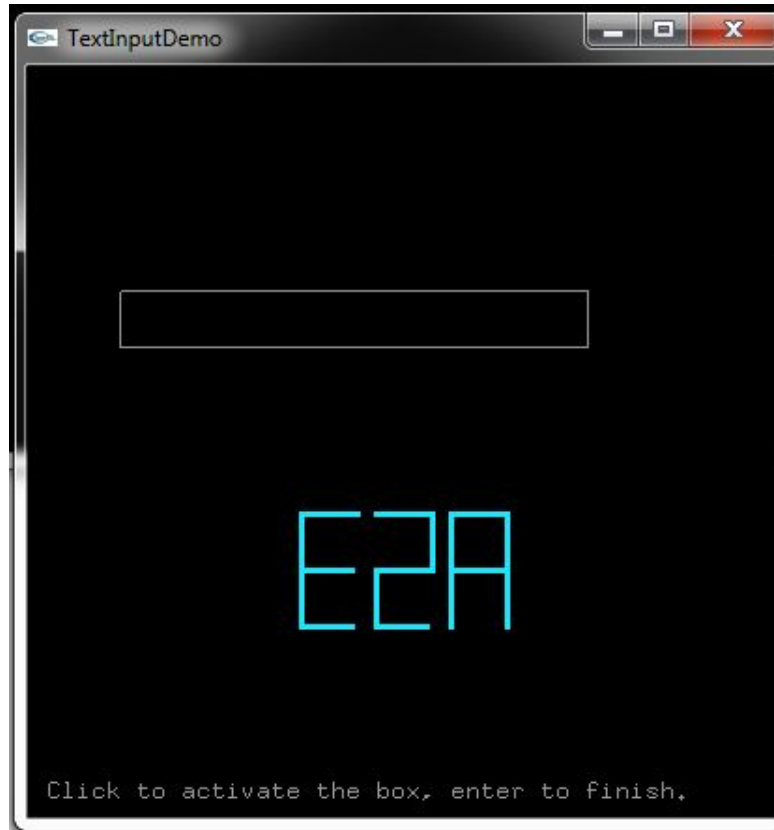
You have to design a text slider.

Requirements:

1. Work on the file TextInputDemo.cpp
2. The input characters will be limited to: 0-9, A, b, C, D, E, F
3. The characters must be shown in 7-segment format
4. The entire string will appear from the right, and with time, will animate to left. Eventually, the entire input text will disappear. Then, the same thing will repeat.
5. The input text can be larger than the maximum length of the text which fits in the displaying window. (To understand this better, input "EEEEEEEEEEEEEEEEEE" in the provided exe file).
6. The color of the display text must change with time. It is not required to be exactly what is done in the demo exe file, however, applying a change in color is mandatory.
7. When a new text is inputted, the display string will update instantly.
8. Run the provided exe for better understanding. Note that the demo exe only can handle 'A', 'E' and '2'. However, you must handle all the characters.