PALINDROME FINDER
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DEVELOPER

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SOURCE CONTROL

GitHub: https://github.com/tonypro17/palindrome

OVERVIEW

A C++ Qt Application Framework app that searches a user-inputted range for the highest palindromic number between them. App must include two input fields to enter upper and lower limits, a search button, and a results area to show the result of the largest palindromic number found.

SPECIAL SETUP / CONFIGURATION NOTES

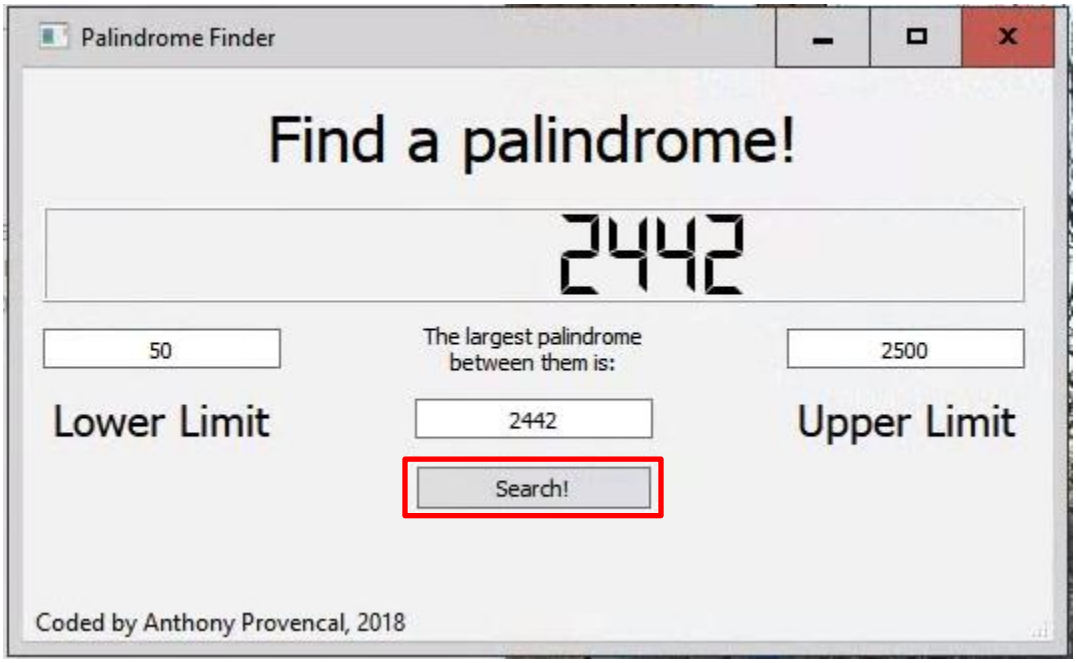
Constructed with Qt Community (open source version), compiled with MinGW on Windows 10

WALKTHROUGH & TESTING

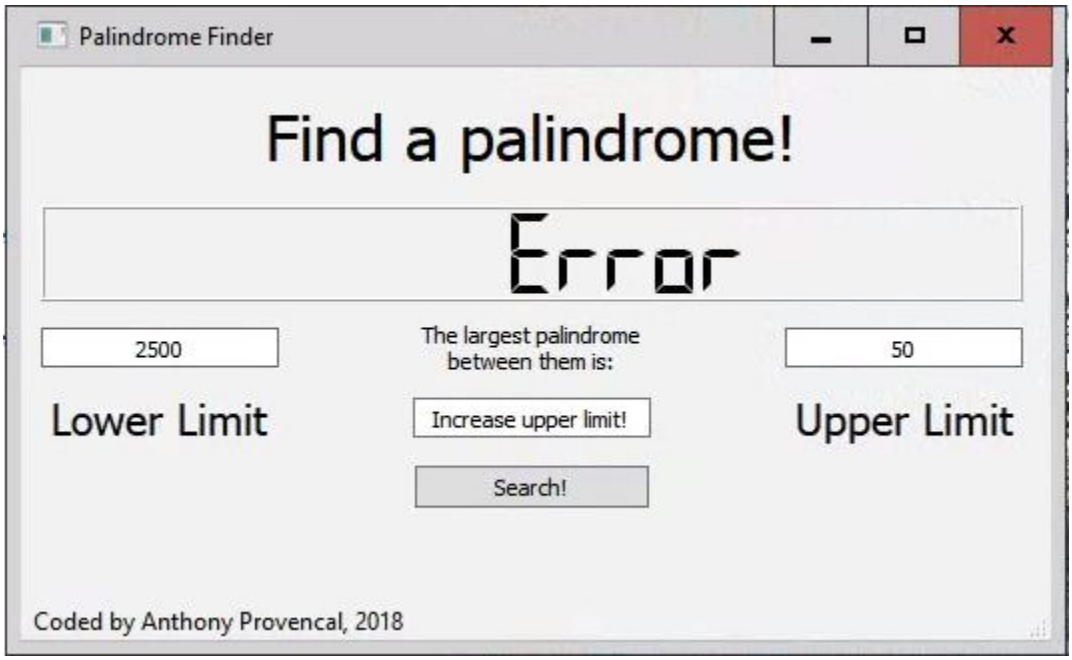
The Palindrome Finder is a simple app that accepts two integers from the user and searches between them to find the largest palindromic number. A palindromic number is a number that is the same if the digits are placed in reverse order. For this exercise, negative numbers are not considered palindromes.

Enter a number into one or both limit boxes. Input is limited to the max value for a signed integer (2,147,483,647).

Click “Search” to find the largest palindrome between the two limits. The result will be displayed in the QLineEdit box above the “Search” button and in the QLCDNumber panel above that.



If the user enters a larger Lower Limit than the Upper Limit, an error is displayed.



If no palindrome is found between the two limits, a message is displayed in the QLineEdit box and the QLCDNumber is cleared out.