MAT Software Team Coding Challenge

Task

Write an application that finds the 3 longest unique palindromes in any supplied string. For the 3 longest

palindromes, report the palindrome, start index and length, in descending order of length.

**Example Output**

Given the input string: sqrrqabccbatudefggfedvwhijkllkjihxymnnmzpop , the output should be:

Text: hijkllkjih, Index: 23, Length: 10

Text: defggfed, Index: 13, Length: 8

Text: abccba, Index: 5 Length: 6

**Deliverables**

Your solution may be submitted in a language of your choice.

Please include instructions for how to build and run your code.

Please ensure that your code can take any input string, so that we can test it.

Don't forget to include any tests in the package.

**Guidance**

You shouldn't spend more than a couple of hours on the solution.

We expect candidates to create code that is production quality - the solution should be correct,

reliable, maintainable, reusable, portable and efficient.

For further guidance see Clean Code: A Handbook of Agile Software Craftsmanship by Robert C.

Martin.