Lab - Regular Expression Tutorial

**Part 1: Complete the regexone.com tutorial**

Meta character Description

. Period matches any single character except a line break.

[ ] Character class. Matches any character contained between the square brackets.

[^ ] Negated character class. Matches any character that is not contained between the square brackets

\* Matches 0 or more repetitions of the preceding symbol.

+ Matches 1 or more repetitions of the preceding symbol.

? Makes the preceding symbol optional.

{n,m} Braces. Matches at least "n" but not more than "m" repetitions of the preceding symbol.

(xyz) Character group. Matches the characters xyz in that exact order.

| Alternation. Matches either the characters before or the characters after the symbol.

\ Escapes the next character. This allows you to match reserved characters [ ] ( ) { } . \* + ? ^ $ \ |

^ Matches the beginning of the input.

$ Matches the end of the input.

**Part 2: Describe the provided regular expression pattern.**

^83 : Begin with 83

[A-Z]{2,4}: Contain 2-4 character in range A-Z

2015: contain “2015”

05:22:2[0-9]: match the pattern 05:22:2”x” where x is in range 0-9

\.com: end with “.com”

complete|GET: have complete or GET

0{4}: contain 4 character ‘0’