

## IDENTIFICATION: Regular Expression #1 / PELE

### Overall Purpose

The overall purpose for the group of 'Regular Expressions' assignments is to be able to use Regular Expressions for validation, finding, extracting and replacing text.

The whole group of assignments consist of two steps:

- 1. A basic understanding of Regular Expressions. (this assignment)**
2. Using Regular expressions for validation, finding, extracting and replacing text.

### Background Material:

- Overall view Wikipedia: [https://en.wikipedia.org/wiki/Regular\\_expression](https://en.wikipedia.org/wiki/Regular_expression)
- Nice presentation (though not C#) <https://cs.lmu.edu/~ray/notes/regex/>
- Microsoft C# - quick reference: <https://docs.microsoft.com/en-us/dotnet/standard/base-types/regular-expression-language-quick-reference>
- C# How to use: <https://www.c-sharpcorner.com/article/c-sharp-regex-examples/>
- Microsoft reference Regex-class: <https://docs.microsoft.com/en-us/dotnet/api/system.text.regularexpressions.regex?view=netcore-3.1>
- A tool to check and validate your regular expressions: <https://regex101.com/>

## This Assignment: Regular Expression #1

### Purpose

The purpose of this assignment is to be able to understand simple patterns for regular expression and to validate input.

### Mission

You have to investigate your knowledge of simple regular expressions.

### Assignment 1: Try your knowledge of regular expressions

You should open the link and take the lessons building regular expressions:

<https://regexone.com/>

Make all 15 lessons

Perhaps you can use <https://regex101.com/> with advantage.

A tool to check and explain your regular-expressions

*Extra continue with additional lessons*