

# Regular Expressions

Course code: REGEXP

This course will teach existing developers how to use Regular Expressions like a very efficient way of work with strings for searching, replacing or dividing. This course is platform independent and a new knowledge you can use in languages like JavaScript, PHP, ASP/ASP.NET, Perl or Python.

## Who is the course for

Developers

## Course Outline

Regular Expressions Introduction

- Brief history of Regular Expressions
- How a Regex Engine Works Internally
- Useful dialects: POSIX extended, PCRE

Regular Expressions Basics

- Literal Characters and Special Characters
- Unicode Characters and Properties
- Word Boundaries
- Modifiers
- Quantifiers
- Repetition Using Various Quantifiers
- Optional Items
- Alternation
- Grouping & Backreferences
- Character Classes or Character Sets
- Continuing from The Previous Match Attempt

Construction of Regular Expressions

- Creating Regular Expressions
- Regular Expressions Samples
- Using Regular Expressions in some tools and systems like GREP, AWK, JavaScript, PERL, PHP.

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