



III E T R I C A

CONSULTING

# Expresiones regulares

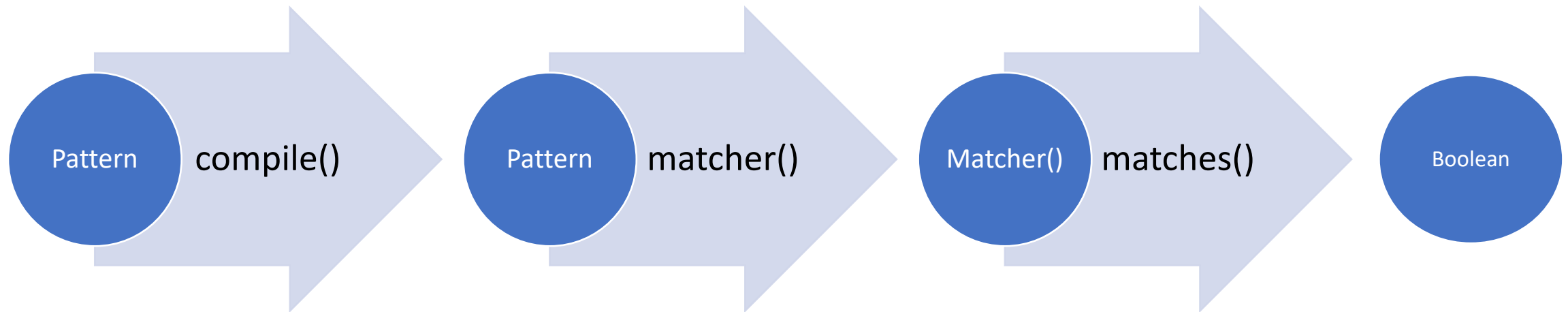
# EXPRESIONES REGULARES 01

Expression

```
/([A-Z])\w+/g
```



## 02 ESTRUCTURA COMPLETA



```
import java.util.regex.*
```



# 02

## EJEMPLO

```
Pattern pattern = Pattern.compile("[0-9]", Pattern.CASE_INSENSITIVE);  
Matcher matcher = pattern.matcher("+3491111256");  
boolean matchFound = matcher.matches();
```

# 03

## USO DESDE STRING

boolean

`matches(String regex)`

Tells whether or not this string matches the given regular expression.

String

`replaceAll(String regex, String replacement)`

Replaces each substring of this string that matches the given regular expression with the given replacement.

String

`replaceAll(String regex, String replacement)`

Replaces each substring of this string that matches the given regular expression with the given replacement.

String

`replaceFirst(String regex, String replacement)`

Replaces the first substring of this string that matches the given regular expression with the given replacement.

String[]

`split(String regex)`

Splits this string around matches of the given regular expression.

boolean

`startsWith(String prefix)`

Tests if this string starts with the specified prefix.

String

`replace(CharSequence target, CharSequence replacement)`

Replaces each substring of this string that matches the literal target sequence with the specified literal replacement sequence.





# 03

## SINTAXIS

# 03

## METACARÁCTERES

|

uno u  
otro

.

comodín

^

principio

\$

final

\d

dígito

\s

espacio

\b

principio o  
final de  
palabra

\D

no es dígito





# 03

## CUANTIFICADORES

$n+$

al menos  
uno

$n^*$

cualquier  
cantidad

$n?$

0 o 1

$n\{x\}$

se repite  
x veces

$n\{x,y\}$

entre x e  
y veces

$n\{x, \}$

al menos  
x veces





Expression

JavaScript

Flags

/([A-Z])\w+/g

29 matches (0.4ms)

Text

Tests

[RegExp](#) was created by [gskinner.com](#), and is proudly hosted by [Media Temple](#).  
 Edit the [Expression](#) & [Text](#) to see matches. [Roll](#) over matches or the expression for details. [PCRE](#) & [JavaScript](#) flavors of [RegExp](#) are supported. [Validate](#) your expression with [Tests](#) mode.  
 The side bar includes a [Cheatsheet](#), full [Reference](#), and [Help](#). You can also [Save](#) & [Share](#) with the [Community](#), and view patterns you create or favorite in [My Patterns](#).  
 Explore results with the [Tools](#) below. [Replace](#) & [List](#) output custom results. [Details](#) lists capture groups. [Explain](#) describes your expression in plain English.

Tools

Replace

List

Details

Explain

×

Roll-over elements below to highlight in the Expression above. Click to open in Reference.

(

Capturing group #1. Groups multiple tokens together and creates a capture group for extracting a substring or using a backreference.

[

Character set. Match any character in the set.

A-Z

Range. Matches a character in the range "A" to "Z" (char code 65 to 90). Case sensitive.

\w

Word. Matches any word character (alphanumeric & underscore).

+

Quantifier. Match 1 or more of the preceding token.





# 04

## EJEMPLOS

### Expression

```
/^[0-9]{8}[A-Z]$/
```

```
12345678A  
A12345678B  
00000000B  
00000000BA
```

### Expression

```
/\b[a-zA-Z](\d|\w|\.)*@\w*\.\w{2,}\b/
```

### Tools

**\b Word boundary.** Matches a word boundary position between a word character and non-word character or position (start / end of string).

**[ Character set.** Match any character in the set.

**a-z Range.** Matches a character in the range "a" to "z" (char code 97 to 122). Case sensitive.

**A-Z Range.** Matches a character in the range "A" to "Z" (char code 65 to 90). Case sensitive.

**( Capturing group #1.** Groups multiple tokens together and creates a capture group for extracting a substring or using a backreference.

**\d Digit.** Matches any digit character (0-9).

**| Alternation.** Acts like a boolean OR. Matches the expression before or after the |.

# 05

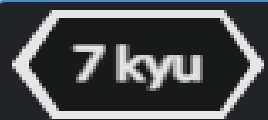
## EJERCICIOS

Una expresión que contiene una letra entre la a y la c

Una expresión que contiene una palabra que empiece por la a o la c

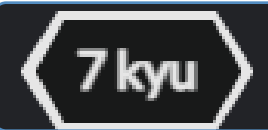
Cualquier cantidad de letras terminadas en un número mayor que 4

No contiene tres números seguidos



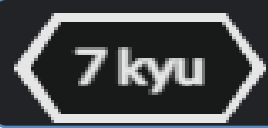
**Regex Basics - is it a eight bit unsigned number?**

<https://www.codewars.com/kata/567e8f7b4096f2b4b1000005>



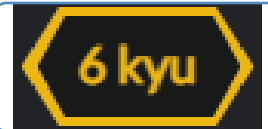
**Regex validate PIN code**

<https://www.codewars.com/kata/55f8a9c06c018a0d6e000132>



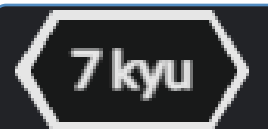
**Regex basics - parsing prices**

<https://www.codewars.com/kata/56833b76371e86f8b6000015>



**Count the smiley faces!**

<https://www.codewars.com/kata/583203e6eb35d7980400002a>



**Credit card issuer checking**

<https://www.codewars.com/kata/5701e43f86306a615c001868>



**String incrementer**

<https://www.codewars.com/kata/54a91a4883a7de5d7800009c>