Regex – Regular Expression

Syntaxe

Symbole	Correspondance	Exemple
\	Escape character	[\.] contain an "."
^	Start the line	^b$ contain only b
.	Any character	^.$ contain one character .
$	End of line	er$ ended by "er"
|	Alternative	^(a|A) start by a or A
( )	Groups	^((a)|(er)) start by a or er
-	Range of characters	^[a-d] start by a,b,c or d
[ ]	a set of characters	[0-9] contents a number
[^]	All except a set of characters	^[^a] is not starting with a
+	1 time or more	^(a)+ start with one or more a
?	0 or 1 times	^(a)? start or not with a
*	0 or more times	^(a)* can or not start with a
{x}	x times exact	a{2} 2 times "a"
{x,}	x times at least	a{2,} at least 2 times "a"
{x, y}	minimum x times, maximum y	a{2,4} 2, 3 or 4 times "a"

Alias	Correspondence	Equivalence
\n	Newline character	
\r	Newline character	
\t	Tab character	
\s	character space (space, tab , etc)	[\f\n\r\t\v]
\S	All but one space	[^\f\n\r\t\v]
\d	A number	[0-9]
\D	All but a number	[^0-9]
\w	One character	[a-zA-Z0-9_]
\W	All but a character	[^a-zA-Z0-9_]

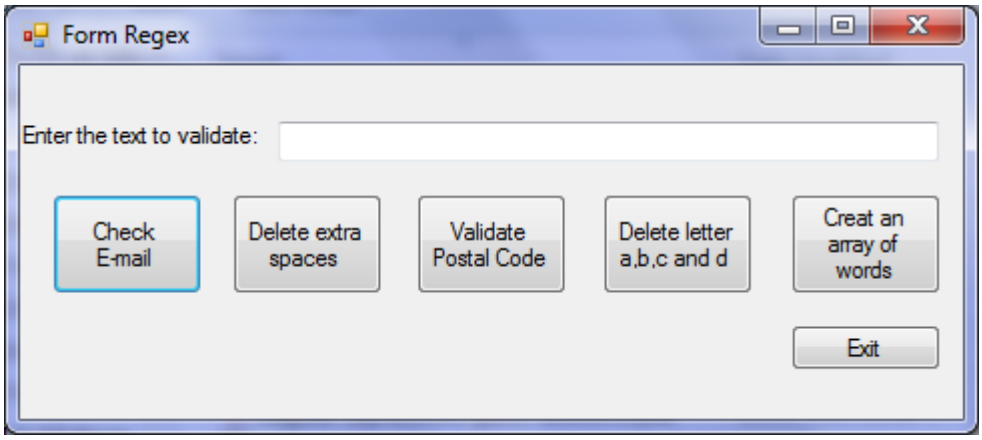
^[pP]hara(onix)?$: phara, Phara, pharaonix ou Pharaonix

Checking the IP4 address:
^(25[0-5]|2[0-4]\d|[0-1]?\d?\d)(\.(25[0-5]|2[0-4]\d|[0-1]?\d?\d)){3}$

Create an application in C# Windows form with Regex validation controls text fields for the user name, address, city, province, postal code and telephone number.

Display appropriate messages.

Create the Lab 6.1 to integrate and test the following Regular Expression:



Add this form to existing multiform application and compress the folder with the solution and send the C# Windows Form solution by LEA of Omnivox.

Thank you