# (Part 2)

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가 가 가

가

System.Text.RegularExpressions 8

Regex

Match

MatchCollection

Group

Group

Group

Group

Capture

Capture

Capture

Capture

Capture

Capture

CaptureCollection

RegexCompilationInfo

```
가
```

1. Regex 가

' Regex r .

Dim r As Regex
' Regex .

r = New Regex("\s2002")

. Regex

Regex 가

New Regex()
New Regex(" ")
New Regex(" ", )

Compiled	

ECMAScript		ECMAScript	가	
		IgnoreCase, Multiline	e Compiled	
	가			
ExplicitCapture	(? <name< td=""><td>9&gt;)</td><td></td><td></td></name<>	9>)		
		가		(?:)
				가
IgnoreCase	/		·	
IgnorePatternWhitespace				#
Multiline				
			^ \$	
None	<u> </u>			
RightToLeft				
Singleline		.\n		가 \n
			(.)	

Regex

가 . 가 IgnoreCase Compiled

Regex(strRegExpress, RegexOptions.IgnoreCase Or RegexOptions.Compiled)

. Match Match

( Matches
.), Replace
. Regex

[Regex ]

Match	,
	Match .
Matches	Match
	MatchCollection .
Replace	,
	·
Split	

## 2. Match

Match .

Match Regex

Match Match.Success

' Regex
Dim r As New Regex("abc")
' match
' Match
Dim m As Match = r.Match("123abc456")

DIM m As Match = r.Match("123abc456")

.

If m.Success Then

•

Console.WriteLine(" "& m.Value & " : " & m.Index.ToString())

End If

" abc : 3" match Success , Value Index

	가	0(zero) B	ase	.(	abc
8	а	4	zero Base	3	.)
				No. (Martal	
	71			NextMatch	
	가	•			
[ Match					
			J		
				<u></u>	
Groups				\rangle 1	 
Index			/Zara D	000)	가
I are odle			.(Zero B		
Length				가	
Success				Boolean	가
Value		•		<u></u> 가	
NextMatch				/	•
Nextiviatori		,		(	
		) Ma	tob		
3. MatchCollection		P	egex.Matche	e e	
. MatchColle			egex.materie.	3	
. Water Con	500011			"123	abc456ababc"
"\da"				Regex.Matches	mc
MatchCollection		1	mc(1).Value	"3a"가 mc(2).Value	"6a" 가
·		·	110(1). Value	oa 1 mo(2). Value	<b>5</b> 4
·					
Dim mc As Ma	atchCol	lection			
' Regex object			(r)		
Dim r As New		("abc")	( )		
' Matches met		,			
1					
mc = r.Matche	es("123a	abc456aba	abc")		

```
' match collection

Dim i As Integer

For i = 0 To mc.Count - 1

Response.Write(" "& mc(i).Value &" ")

Response.Write(" " & mc(i).Index & " . <br>
Next i
```

4. Group

Group

Capture

Group Capture

Group Captures

Captures

Match.Groups(groupnum) , "(?<groupname>)"

Match.Groups("groupname")

```
Dim r As New Regex("^(?<name>\w+):(?<value>\w+)")

Dim m As Match = r.Match("Section1:119900")

.

m.Groups("name").Value = "Section1"

m.Groups("value").Value = "119900"
```

# 5. GroupCollection

GroupCollection

#### Capture

```
Imports System
Imports System.Text
Imports System.Text.RegularExpressions
Public Class RegexTest
    Public Shared Sub RunTest()
                                       . "abc", "ab", and "b".
        Dim r As New Regex("(a(b))c")
        Dim m As Match = r.Match("abdabc")
        Dim i As Integer
        Dim strMessage As StringBuilder
        strMessage = New StringBuilder()
        strMessage.Append("
                                                 " & m.Groups.Count.ToString & "<br/>br>")
        For i = 0 To m.Groups.Count - 1
                                            " & (i + 1).ToString & " " & _
            strMessage.Append("
            m.Groups(i).Value & "
            strMessage.Append("
                                               " & m.Groups(i).Index & "
                                                                             . <br>")
        Next i
            Response.Write(strMessage.ToString)
    End Sub
    Public Shared Sub Main()
         RunTest()
    End Sub
End Class
```

1	abc	3 .
2	bc	4 .
3	b	4 .

## 6. Capture

```
Dim m As Match
    Dim g As Group
    Dim c As Capture
    Dim r As New Regex("(I)+", RegexOptions.lgnoreCase)
    m = r.Match("hello Mr.Stonwin")
    Dim strR As New StringBuilder()
    For Each g In m. Groups
        strR.Append("
                          : " & g.Value & "<br/>")
        For Each c In g.Captures
                             : " & c.Value & "(" & c.Index.ToString & ")" & "<br/>br />")
          strR.Append("
        Next
    Next
    lblMessage.Text = strR.ToString
End Sub
```

# 7. CaptureCollection

CaptureCollection

. CaptureCollection

Captures

Match Group

.