

Forum:[Hack Forums](#)

Thread: [Using regex match function to modify data?](#)

Whateva_ - September 5, 2016, 9:37 am

I want trying make a program which will look for a expression `<disp-formula id="deqn(\d+)-(\d+)">` in files and if there is one or more match, then it will search the whole file for expressions in the form `<xref ref-type="disp-formula" rid="deqnX">(X)</xref>` or `<xref ref-type="disp-formula" rid="deqnX">X</xref>` where X ranges from the first `(\d+)` to the last `(\d+)` and replace it to `<xref ref-type="disp-formula" rid="deqn$1-$2">(X)</xref>` or `<xref ref-type="disp-formula" rid="deqn$1-$2">X</xref>`. This is what I've come up with so far,

```
Code Dim targetDirectory As String = TextBox1.Text
```

```
    Dim txtFilesArray As String() = Directory.GetFiles(targetDirectory, "*.txt",  
SearchOption.AllDirectories)
```

```
    For Each txtFile In txtFilesArray
```

```
        Dim input As String = File.ReadAllText(txtFile)
```

```
        Dim disp As New Regex("<disp-formula id=\"\"deqn(\d+)-(\d+)\"\">")
```

```
        Dim match As Match = disp.Match(input)
```

```
        If match.Success Then
```

```
            Dim a = match.Groups(1).Value
```

```
            Dim b = match.Groups(2).Value
```

```
            Dim d As String = a & "-" & b
```

```
            For Each c = a To b In input
```

```
                Dim xref As New Regex("rid=\"\"deqn" & c & "\"")
```

```
                Dim result As String = xref.Replace(input, "rid=\"\"deqn" & d & "\"")
```

```
            Next
```

```
        End If
```

```
        File.WriteAllText(txtFile, result)
```

```
    Next
```

Can anyone help me on this??

Chickendipper - September 5, 2016, 12:20 pm

Why not use some sort of XML parser? There's a gazillion of them built in to the .NET framework and all of them would make this much, much easier.