

Forum:[Hack Forums](#)

Thread: [ROT13 Encryption](#)

Neos07 - May 15, 2015, 4:01 am

ROT13 Encryption

ROT13 replaces each letter by its partner 13 characters further along the alphabet. For example, HELLO becomes URYYB (or, reversing, URYYB becomes HELLO again).

Source Code:

Quote:Public Class Form1

```
Dim Letter() As String = {"A", "B", "C", "D", "E", "F", "G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y", "Z", "a", "b", "c", "d", "e", "f", "g", "h", "i", "j", "k", "l", "m", "n", "o", "p", "q", "r", "s", "t", "u", "v", "w", "x", "y", "z"}
Dim Letter2() As String = {"N", "O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y", "Z", "A", "B", "C", "D", "E", "F", "G", "H", "I", "J", "K", "L", "M", "n", "o", "p", "q", "r", "s", "t", "u", "v", "w", "x", "y", "z", "a", "b", "c", "d", "e", "f", "g", "h", "i", "j", "k", "l", "m"}
Dim str As String
Private Sub EncryptButton_Click(sender As Object, e As EventArgs) Handles
EncryptButton.Click
    str = TextToEncryptTextBox.Text
    TextToEncryptTextBox.Clear()
    For i As Integer = 0 To str.Length - 1
        For j As Integer = 0 To 51
            If str(i) = Letter(j) Then
                TextToEncryptTextBox.Text = TextToEncryptTextBox.Text + Letter2(j)
                GoTo Line1
            End If
        Next
        TextToEncryptTextBox.Text = TextToEncryptTextBox.Text + str(i)
    Line1:
        Next
    End Sub
End Class
```

Josh? - May 15, 2015, 5:13 am

So that's what you were trying to do...

Autocorrect - May 15, 2015, 5:15 am

So it's a Caesar cipher. Cool little tool that I suppose can be edited.

Hiiro - May 15, 2015, 5:39 am

You could do something like this too:

PHP Code

```
<?php
```

```
Private Shared Sub Main(args As String())
```

```
    Console.WriteLine(ROT("Hello", 13))
```

```

    Console.ReadLine()
End Sub

Public Shared Function ROT(input As String, rotation As Integer) As String
    Dim output As New StringBuilder()

    For Each chr As Char In input
        If Char.IsLetter(chr) Then
            Dim upper As Boolean = Char.IsUpper(chr)

            Dim rot__1 As Integer = Char.ToLower(chr) + rotation
            Dim min As Integer = 97, max As Integer = 122

            While rot__1 < min
                rot__1 += 26
            End While
            While rot__1 > max
                rot__1 -= 26
            End While

            output.Append(If(upper, Char.ToUpper(CChar(rot__1)), CChar(rot__1)))
        Else
            output.Append(chr)
        End If
    Next

    Return output.ToString()
End Function

```

I used a code converter

GhostCode - May 15, 2015, 5:41 am

That's basically a Caesar Shift with a shiftkey of 13.

A little hint:

If you want to improve it you can directly use the ascii-table to figure out the next chars and not rely on a list of chars. :)

\$lick - May 15, 2015, 11:32 am

This is encoding not encryption...

Neos07 - May 15, 2015, 11:53 am

Thank you guys for everything!

(May 15, 2015 05:39 AM)Flamey. Wrote: [\[CITE\]](#) You could do something like this too:

```

PHP Code
<?php
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  Else
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  End If
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That's a good code thx, it's for generally ROT not just ROT13! ?

(May 15, 2015 05:41 AM)GhostCode Wrote: [\[CITE\]](#) That's basically a Caesar Shift with a shiftkey of 13.

A little hint:

If you want to improve it you can directly use the ascii-table to figure out the next chars and not rely on a list of chars. :)

Thanks, i will go search about ascii-table! :)

(May 15, 2015 11:32 AM)Lazy. Wrote: [\[CITE\]](#) This is encoding not encryption... Can you please explain what is the difference between them?

\$lick - May 15, 2015, 12:22 pm

(May 15, 2015 11:53 AM)Neos07 Wrote: [\[CITE\]](#) Thank you guys for everything!

That's a good code thx, it's for generally ROT not just ROT13! ?

Thanks, i will go search about ascii-table! :)

Can you please explain what is the difference between them?

https://danielmiessler.com/study/encoding_encryption_hashing/

Neos07 - April 3, 2016, 3:50 am

(May 15, 2015 12:22 PM)Nexus™ ?? Wrote: [\[CITE\]](#)

https://danielmiessler.com/study/encoding_encryption_hashing/

Yes, you are right, it's encoding.

BahNahNah - April 3, 2016, 4:38 am

One-liner for the lolz

Spoiler ([Click to View](#))

(i split lines so i can fit it into the screenshot ;_;

Good work tho.
Edit: Wtf, this thread is old.

Neos07 - April 3, 2016, 4:51 am

(Apr 3, 2016 04:38 AM)BahNahNah Wrote: [\[CITE\]](#) One-liner for the lolz
Spoiler [\(Click to View\)](#)
(i split lines so i can fit it into the screenshot ;_;

Good work tho.
Edit: Wtf, this thread is old. It should be only one function for encoding that is in the same time decoding cuz:
 $f(f(x)) = x$

BahNahNah - April 3, 2016, 5:02 am

(Apr 3, 2016 04:51 AM)Neos07 Wrote: [\[CITE\]](#) It should be only one function for encoding that is in the same time decoding cuz:
 $f(f(x)) = x$
What? ?
You need two functions.

Neos07 - April 3, 2016, 5:06 am

(Apr 3, 2016 05:02 AM)BahNahNah Wrote: [\[CITE\]](#) What? ?
You need two functions.
ROT13 is an exception because it only needs one function of encoding/decoding and that because the number of letters is 26 so when you rotate the letter "A" it will become "N" and if you rotate "N" it will rebecome back to "A" (that's only in case of ROT13).

MrCortex - April 3, 2016, 5:25 am

This is fun to see, i busy with something like this :(:P
Good work man and thanks for the share

BahNahNah - April 3, 2016, 5:31 am

(Apr 3, 2016 05:06 AM)Neos07 Wrote: [\[CITE\]](#) ROT13 is an exception because it only needs one function of encoding/decoding and that because the number of letters is 26 so when you rotate the letter "A" it will become "N" and if you rotate "N" it will rebecome back to "A" (that's only in case of ROT13).
So it cant keep the character case or support numbers? ?

Heres my spin:
Spoiler [\(Click to View\)](#)
(Map must be a even length)

Cecilia - April 3, 2016, 5:41 am

I've always liked Caesar Cipher functions...
When you increase the shift to 50000 it gets interesting :)

Ainaj - April 3, 2016, 6:05 am

Cha0 - April 3, 2016, 6:06 am

(May 15, 2015 11:32 AM)Nexus™ ?? Wrote: [\[CITE\]](#) This is encoding not encryption...
Thank you, annoyed the fuck outta me too.

Neos07 - April 3, 2016, 6:27 am

(Apr 3, 2016 06:06 AM)Cha0 Wrote: [\[CITE\]](#) Thank you, annoyed the fuck outta me too.
But he's right, we should be accurate.

Ingenuity - April 3, 2016, 7:55 am

To clarify; ROT13 is encoding. Using a Caesar cipher is encryption.

Neos07 - April 3, 2016, 1:33 pm

(Apr 3, 2016 07:55 AM)Ingenuity Wrote: [\[CITE\]](#) To clarify; ROT13 is encoding. Using a Caesar cipher is encryption.
Yes, thank you.