

```
Function Delay(ms)
    Delay = Timer + ms / 1000
    While Timer < Delay: DoEvents: Wend
End Function
```

```
Private Sub cmdApply_Click()
```

```
Dim intOffset As Integer
```

```
Dim chArray(54) As String
```

```
chArray(1) = "A"
```

```
chArray(2) = "B"
```

```
chArray(3) = "C"
```

```
chArray(4) = "D"
```

```
chArray(5) = "E"
```

```
chArray(6) = "F"
```

```
chArray(7) = "G"
```

```
chArray(8) = "H"
```

```
chArray(9) = "I "
```

```
chArray(10) = "J"
```

```
chArray(11) = "K"
```

```
chArray(12) = "L"
```

```
chArray(13) = "M"
```

```
chArray(14) = "N"
```

```
chArray(15) = "O"
```

```
chArray(16) = "P"
```

```
chArray(17) = "Q"
```

```
chArray(18) = "R"
```

```
chArray(19) = "S"
```

```
chArray(20) = "T"
```

```
chArray(21) = "U"
```

```
chArray(22) = "V"
```

```
chArray(23) = "W"
```

```
chArray(24) = "X"
```

```
chArray(25) = "Y"
```

```
chArray(26) = "Z"
```

```
chArray(27) = "A"
```

```
chArray(28) = "B"
```

```
chArray(29) = "C"
```

```
chArray(30) = "D"
```

```
chArray(31) = "E"
```

```
chArray(32) = "F"
```

```
chArray(33) = "G"
```

```
chArray(34) = "H"
```

```
chArray(35) = "I "
```

```
chArray(36) = "J"
```

```
chArray(37) = "K"
```

```
chArray(38) = "L"
```

```
chArray(39) = "M"
```

```
chArray(40) = "N"
```

```
chArray(41) = "O"
```

```
chArray(42) = "P"
```

```
chArray(43) = "Q"
```

```
chArray(44) = "R"
```

```
chArray(45) = "S"
```

```
chArray(46) = "T"
```

```
chArray(47) = "U"
```

```
chArray(48) = "V"
```

```
chArray(49) = "W"
```

```
chArray(50) = "X"
```

```
chArray(51) = "Y"
```

```
chArray(52) = "Z"
```

```
intOffset = Int(txtOffset.Text)
```

```
lblMoved.Caption = ""
```

```
For i = 1 To 26
```

```
    lblMoved.Caption = lblMoved.Caption + chArray(i + intOffset)
```

```
    Delay 25
```

```
Next i
```

```
End Sub
```

```
Private Sub cmdClearStats_Click()
```

```
Label_A.Caption = "A "  
Label_B.Caption = "B "  
Label_C.Caption = "C "  
Label_D.Caption = "D "  
Label_E.Caption = "E "  
Label_F.Caption = "F "  
Label_G.Caption = "G "  
Label_H.Caption = "H "  
Label_I.Caption = "I "  
Label_J.Caption = "J "  
Label_K.Caption = "K "  
Label_L.Caption = "L "  
Label_M.Caption = "M "  
Label_N.Caption = "N "  
Label_O.Caption = "O "  
Label_P.Caption = "P "  
Label_Q.Caption = "Q "  
Label_R.Caption = "R "  
Label_S.Caption = "S "  
Label_T.Caption = "T "  
Label_U.Caption = "U "  
Label_V.Caption = "V "  
Label_W.Caption = "W "  
Label_X.Caption = "X "  
Label_Y.Caption = "Y "  
Label_Z.Caption = "Z "  
Label_SPACE.Caption = "SPACE"
```

```
End Sub
```

```
Private Sub cmdDecrypt_Click()  
Dim chKey As String  
Dim intKey As Integer  
chKey = Trim(TextBox2.Text)
```

```
Select Case chKey
```

```
Case "a", "A"  
    intKey = 4  
Case "b", "B"  
    intKey = 3  
Case "c", "C"  
    intKey = 2  
Case "d", "D"  
    intKey = 1  
Case "e", "E"  
    intKey = 0  
Case "f", "F"  
    intKey = 25  
Case "g", "G"  
    intKey = 24  
Case "h", "H"  
    intKey = 23  
Case "i", "I"  
    intKey = 22  
Case "j", "J"  
    intKey = 21  
Case "k", "K"  
    intKey = 20  
Case "l", "L"  
    intKey = 19  
Case "m", "M"  
    intKey = 18  
Case "n", "N"  
    intKey = 17  
Case "o", "O"  
    intKey = 16  
Case "p", "P"  
    intKey = 15  
Case "q", "Q"  
    intKey = 14  
Case "r", "R"  
    intKey = 13  
Case "s", "S"  
    intKey = 12  
Case "t", "T"  
    intKey = 11
```

```
Case "u", "U"
    intKey = 10
Case "v", "V"
    intKey = 9
Case "w", "W"
    intKey = 8
Case "x", "X"
    intKey = 7
Case "y", "Y"
    intKey = 6
Case "z", "Z"
    intKey = 5
Case Else
    MsgBox (Error!)
    Exit Sub
End Select
txtOffset.Text = Str(intKey)
'Delay 100
Call cmdApply_Click
'Delay 100
Call cmdEncrypt_Click

End Sub
```

```
Private Sub cmdEncrypt_Click()
```

```
Dim i As Integer
Dim chNext As String
Dim chars(100) As Integer
Dim totalChars As Integer
```

```
Dim strEncrypted As String
Dim intOffset As Integer
Dim chArray(54) As String
```

```
chArray(1) = "A"
chArray(2) = "B"
chArray(3) = "C"
chArray(4) = "D"
chArray(5) = "E"
chArray(6) = "F"
chArray(7) = "G"
chArray(8) = "H"
chArray(9) = "I"
chArray(10) = "J"
chArray(11) = "K"
chArray(12) = "L"
chArray(13) = "M"
chArray(14) = "N"
chArray(15) = "O"
chArray(16) = "P"
chArray(17) = "Q"
chArray(18) = "R"
chArray(19) = "S"
chArray(20) = "T"
chArray(21) = "U"
chArray(22) = "V"
chArray(23) = "W"
chArray(24) = "X"
chArray(25) = "Y"
chArray(26) = "Z"
chArray(27) = "A"
chArray(28) = "B"
chArray(29) = "C"
chArray(30) = "D"
chArray(31) = "E"
chArray(32) = "F"
chArray(33) = "G"
chArray(34) = "H"
chArray(35) = "I"
chArray(36) = "J"
chArray(37) = "K"
chArray(38) = "L"
chArray(39) = "M"
chArray(40) = "N"
chArray(41) = "O"
chArray(42) = "P"
```

```
chArray(43) = "Q"  
chArray(44) = "R"  
chArray(45) = "S"  
chArray(46) = "T"  
chArray(47) = "U"  
chArray(48) = "V"  
chArray(49) = "W"  
chArray(50) = "X"  
chArray(51) = "Y"  
chArray(52) = "Z"
```

```
intOffset = Int(txtOffset.Text)  
txtOriginal.Text = TextBox1.Text  
strEncrypted = ""  
totalChars = 0  
For i = 1 To 100  
  chars(i) = 0
```

```
Next i
```

```
For i = 1 To TextBox1.TextLength
```

```
  chNext = Mid(TextBox1.Text, i, 1)
```

```
  'TextBox2.Text = TextBox2.Text + chNext
```

```
  Select Case chNext
```

```
    Case "a", "A"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 1)
```

```
    Case "b", "B"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 2)
```

```
    Case "c", "C"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 3)
```

```
    Case "d", "D"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 4)
```

```
    Case "e", "E"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 5)
```

```
    Case "f", "F"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 6)
```

```
    Case "g", "G"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 7)
```

```
    Case "h", "H"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 8)
```

```
    Case "i", "I"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 9)
```

```
    Case "j", "J"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 10)
```

```
    Case "k", "K"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 11)
```

```
    Case "l", "L"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 12)
```

```
    Case "m", "M"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 13)
```

```
    Case "n", "N"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 14)
```

```
    Case "o", "O"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 15)
```

```
    Case "p", "P"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 16)
```

```
    Case "q", "Q"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 17)
```

```
    Case "r", "R"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 18)
```

```
    Case "s", "S"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 19)
```

```
    Case "t", "T"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 20)
```

```
    Case "u", "U"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 21)
```

```
    Case "v", "V"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 22)
```

```
    Case "w", "W"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 23)
```

```
    Case "x", "X"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 24)
```

```
    Case "y", "Y"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 25)
```

```
    Case "z", "Z"
```

```
      strEncrypted = strEncrypted + chArray(intOffset + 26)
```

```
  Case Else
```

```
    strEncrypted = strEncrypted + chNext
```

```
End Select
```

```
Next i
'For i = 1 To 26
' totalChars = totalChars + chars(i)
'Next i
TextBox1.Text = strEncrypted
```

```
End Sub
```

```
Private Sub cmdMinus_Click()
txtOffset.Text = Str(Int(txtOffset.Text) - 1)
Call cmdApply_Click
End Sub
```

```
Private Sub cmdOriginal_Click()
TextBox1.Text = txtOriginal.Text
End Sub
```

```
Private Sub cmdPlus_Click()
txtOffset.Text = Str(Int(txtOffset.Text) + 1)
Call cmdApply_Click
End Sub
```

```
Private Sub CommandButton1_Click()
Dim i As Integer
Dim chNext As String
Dim chars(100) As Integer
Dim totalChars As Integer
```

```
totalChars = 0
For i = 1 To 100
    chars(i) = 0
```

```
Next i
For i = 1 To TextBox1.TextLength
    chNext = Mid(TextBox1.Text, i, 1)
    'TextBox2.Text = TextBox2.Text + chNext
    Select Case chNext
        Case "a", "A"
            chars(1) = chars(1) + 1
        Case "b", "B"
            chars(2) = chars(2) + 1
        Case "c", "C"
            chars(3) = chars(3) + 1
        Case "d", "D"
            chars(4) = chars(4) + 1
        Case "e", "E"
            chars(5) = chars(5) + 1
        Case "f", "F"
            chars(6) = chars(6) + 1
        Case "g", "G"
            chars(7) = chars(7) + 1
        Case "h", "H"
            chars(8) = chars(8) + 1
        Case "i", "I"
            chars(9) = chars(9) + 1
        Case "j", "J"
            chars(10) = chars(10) + 1
        Case "k", "K"
            chars(11) = chars(11) + 1
        Case "l", "L"
            chars(12) = chars(12) + 1
        Case "m", "M"
            chars(13) = chars(13) + 1
        Case "n", "N"
            chars(14) = chars(14) + 1
        Case "o", "O"
            chars(15) = chars(15) + 1
        Case "p", "P"
            chars(16) = chars(16) + 1
        Case "q", "Q"
            chars(17) = chars(17) + 1
```

```
Case "r", "R"
chars(18) = chars(18) + 1
Case "s", "S"
chars(19) = chars(19) + 1
Case "t", "T"
chars(20) = chars(20) + 1
Case "u", "U"
chars(21) = chars(21) + 1
Case "v", "V"
chars(22) = chars(22) + 1
Case "w", "W"
chars(23) = chars(23) + 1
Case "x", "X"
chars(24) = chars(24) + 1
Case "y", "Y"
chars(25) = chars(25) + 1
Case "z", "Z"
chars(26) = chars(26) + 1
Case " "
chars(27) = chars(27) + 1
End Select

Next i
For i = 1 To 26
totalChars = totalChars + chars(i)
Next i
'For i = 1 To 27
'TextBox2.Text = TextBox2.Text + vbCrLf + Str(chars(i))
'Next i

Label_A.Caption = Label_A.Caption + ": " + Str(chars(1)) + vbCrLf + " : " + Format((chars(1) / total
Chars), "Percent")
Delay 100
Label_B.Caption = Label_B.Caption + ": " + Str(chars(2)) + vbCrLf + " : " + Format((chars(2) / total
Chars), "Percent")
Delay 100
Label_C.Caption = Label_C.Caption + ": " + Str(chars(3)) + vbCrLf + " : " + Format((chars(3) / total
Chars), "Percent")
Delay 100
Label_D.Caption = Label_D.Caption + ": " + Str(chars(4)) + vbCrLf + " : " + Format((chars(4) / total
Chars), "Percent")
Delay 100
Label_E.Caption = Label_E.Caption + ": " + Str(chars(5)) + vbCrLf + " : " + Format((chars(5) / total
Chars), "Percent")
Delay 100
Label_F.Caption = Label_F.Caption + ": " + Str(chars(6)) + vbCrLf + " : " + Format((chars(6) / total
Chars), "Percent")
Delay 100
Label_G.Caption = Label_G.Caption + ": " + Str(chars(7)) + vbCrLf + " : " + Format((chars(7) / total
Chars), "Percent")
Delay 100
Label_H.Caption = Label_H.Caption + ": " + Str(chars(8)) + vbCrLf + " : " + Format((chars(8) / total
Chars), "Percent")
Delay 100
Label_I.Caption = Label_I.Caption + ": " + Str(chars(9)) + vbCrLf + " : " + Format((chars(9) / total
Chars), "Percent")
Delay 100
Label_J.Caption = Label_J.Caption + ": " + Str(chars(10)) + vbCrLf + " : " + Format((chars(10) / tot
alChars), "Percent")
Delay 100
Label_K.Caption = Label_K.Caption + ": " + Str(chars(11)) + vbCrLf + " : " + Format((chars(11) / tot
alChars), "Percent")
Delay 100
Label_L.Caption = Label_L.Caption + ": " + Str(chars(12)) + vbCrLf + " : " + Format((chars(12) / tot
alChars), "Percent")
Delay 100
Label_M.Caption = Label_M.Caption + ": " + Str(chars(13)) + vbCrLf + " : " + Format((chars(13) / tot
alChars), "Percent")
Delay 100
Label_N.Caption = Label_N.Caption + ": " + Str(chars(14)) + vbCrLf + " : " + Format((chars(14) / tot
alChars), "Percent")
Delay 100
Label_O.Caption = Label_O.Caption + ": " + Str(chars(15)) + vbCrLf + " : " + Format((chars(15) / tot
alChars), "Percent")
Delay 100
Label_P.Caption = Label_P.Caption + ": " + Str(chars(16)) + vbCrLf + " : " + Format((chars(16) / tot
```

```
alChars), "Percent")
Delay 100
Label_Q.Caption = Label_Q.Caption + ": " + Str(chars(17)) + vbTab + " : " + Format((chars(17) / tot
alChars), "Percent")
Delay 100
Label_R.Caption = Label_R.Caption + ": " + Str(chars(18)) + vbTab + " : " + Format((chars(18) / tot
alChars), "Percent")
Delay 100
Label_S.Caption = Label_S.Caption + ": " + Str(chars(19)) + vbTab + " : " + Format((chars(19) / tot
alChars), "Percent")
Delay 100
Label_T.Caption = Label_T.Caption + ": " + Str(chars(20)) + vbTab + " : " + Format((chars(20) / tot
alChars), "Percent")
Delay 100
Label_U.Caption = Label_U.Caption + ": " + Str(chars(21)) + vbTab + " : " + Format((chars(21) / tot
alChars), "Percent")
Delay 100
Label_V.Caption = Label_V.Caption + ": " + Str(chars(22)) + vbTab + " : " + Format((chars(22) / tot
alChars), "Percent")
Delay 100
Label_W.Caption = Label_W.Caption + ": " + Str(chars(23)) + vbTab + " : " + Format((chars(23) / tot
alChars), "Percent")
Delay 100
Label_X.Caption = Label_X.Caption + ": " + Str(chars(24)) + vbTab + " : " + Format((chars(24) / tot
alChars), "Percent")
Label_Y.Caption = Label_Y.Caption + ": " + Str(chars(25)) + vbTab + " : " + Format((chars(25) / tot
alChars), "Percent")
Label_Z.Caption = Label_Z.Caption + ": " + Str(chars(26)) + vbTab + " : " + Format((chars(26) / tot
alChars), "Percent")
Label_SPACE.Caption = Label_SPACE.Caption + ": " + Str(chars(27)) + " : " + Format((chars(27) / tot
alChars), "Percent")
```

End Sub

```
Private Sub ListBox1_Click()
```

End Sub

```
Private Sub Label9_Click()
```

End Sub

```
Private Sub Label20_Click()
```

End Sub

```
Private Sub Label23_Click()
```

End Sub

```
Private Sub CommandButton2_Click()
```

End Sub

```
Private Sub CommandButton4_Click()
```

```
UserForm1.Hide
```

```
UserForm2.Show
```

```
End Sub
```

```
Private Sub UserForm_Click()
```

End Sub

```
Private Sub UserForm_Initialize()
```

```
UserForm1.Height = 700
```

```
UserForm1.Width = 1000
```

```
End Sub
```

0

<<

>>

Apply

Encrypt Text

Original Text

Decrypt Text!

E = ?

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

Letters Frequency Analysis

Enigma Simulator

UserForm2 - 1

```
Dim sRotor1 (52,
```

```
Dim sRotor2 (52,
```

```
Dim sRotor3 (52,
```

```
Dim reflector (52
```

```
Dim flagR2F As B
```

```
Public Sub fill
```

```
sRotor1 (1, 1) =
```

```
sRotor1 (2, 1) =
```

```
sRotor2(16, 1) = "P"  
sRotor2(17, 1) = "Q"  
sRotor2(18, 1) = "R"  
sRotor2(19, 1) = "S"  
sRotor2(20, 1) = "T"  
sRotor2(21, 1) = "U"  
sRotor2(22, 1) = "V"  
sRotor2(23, 1) = "W"  
sRotor2(24, 1) = "X"  
sRotor2(25, 1) = "Y"  
sRotor2(26, 1) = "Z"  
sRotor2(27, 1) = "A"  
sRotor2(28, 1) = "B"  
sRotor2(29, 1) = "C"  
sRotor2(30, 1) = "D"  
sRotor2(31, 1) = "E"  
sRotor2(32, 1) = "F"  
sRotor2(33, 1) = "G"  
sRotor2(34, 1) = "H"  
sRotor2(35, 1) = "I"  
sRotor2(36, 1) = "J"  
sRotor2(37, 1) = "K"  
sRotor2(38, 1) = "L"  
sRotor2(39, 1) = "M"  
sRotor2(40, 1) = "N"  
sRotor2(41, 1) = "O"  
sRotor2(42, 1) = "P"  
sRotor2(43, 1) = "Q"  
sRotor2(44, 1) = "R"  
sRotor2(45, 1) = "S"  
sRotor2(46, 1) = "T"  
sRotor2(47, 1) = "U"  
sRotor2(48, 1) = "V"  
sRotor2(49, 1) = "W"  
sRotor2(50, 1) = "X"  
sRotor2(51, 1) = "Y"  
sRotor2(52, 1) = "Z"
```

```
sRotor3(1, 1) = "A"  
sRotor3(2, 1) = "B"  
sRotor3(3, 1) = "C"  
sRotor3(4, 1) = "D"  
sRotor3(5, 1) = "E"  
sRotor3(6, 1) = "F"  
sRotor3(7, 1) = "G"  
sRotor3(8, 1) = "H"  
sRotor3(9, 1) = "I"  
sRotor3(10, 1) = "J"  
sRotor3(11, 1) = "K"  
sRotor3(12, 1) = "L"  
sRotor3(13, 1) = "M"  
sRotor3(14, 1) = "N"  
sRotor3(15, 1) = "O"  
sRotor3(16, 1) = "P"  
sRotor3(17, 1) = "Q"  
sRotor3(18, 1) = "R"  
sRotor3(19, 1) = "S"  
sRotor3(20, 1) = "T"  
sRotor3(21, 1) = "U"  
sRotor3(22, 1) = "V"  
sRotor3(23, 1) = "W"  
sRotor3(24, 1) = "X"  
sRotor3(25, 1) = "Y"  
sRotor3(26, 1) = "Z"  
sRotor3(27, 1) = "A"  
sRotor3(28, 1) = "B"  
sRotor3(29, 1) = "C"  
sRotor3(30, 1) = "D"  
sRotor3(31, 1) = "E"  
sRotor3(32, 1) = "F"  
sRotor3(33, 1) = "G"  
sRotor3(34, 1) = "H"  
sRotor3(35, 1) = "I"  
sRotor3(36, 1) = "J"  
sRotor3(37, 1) = "K"  
sRotor3(38, 1) = "L"
```

```
sRotor3(39, 1) = "M"  
sRotor3(40, 1) = "N"  
sRotor3(41, 1) = "O"  
sRotor3(42, 1) = "P"  
sRotor3(43, 1) = "Q"  
sRotor3(44, 1) = "R"  
sRotor3(45, 1) = "S"  
sRotor3(46, 1) = "T"  
sRotor3(47, 1) = "U"  
sRotor3(48, 1) = "V"  
sRotor3(49, 1) = "W"  
sRotor3(50, 1) = "X"  
sRotor3(51, 1) = "Y"  
sRotor3(52, 1) = "Z"
```

```
sRotor1(1, 2) = "E"  
sRotor1(2, 2) = "K"  
sRotor1(3, 2) = "M"  
sRotor1(4, 2) = "F"  
sRotor1(5, 2) = "L"  
sRotor1(6, 2) = "G"  
sRotor1(7, 2) = "D"  
sRotor1(8, 2) = "Q"  
sRotor1(9, 2) = "V"  
sRotor1(10, 2) = "Z"  
sRotor1(11, 2) = "N"  
sRotor1(12, 2) = "T"  
sRotor1(13, 2) = "O"  
sRotor1(14, 2) = "W"  
sRotor1(15, 2) = "Y"  
sRotor1(16, 2) = "H"  
sRotor1(17, 2) = "X"  
sRotor1(18, 2) = "U"  
sRotor1(19, 2) = "S"  
sRotor1(20, 2) = "P"  
sRotor1(21, 2) = "A"  
sRotor1(22, 2) = "I"  
sRotor1(23, 2) = "B"  
sRotor1(24, 2) = "R"  
sRotor1(25, 2) = "C"  
sRotor1(26, 2) = "J"  
sRotor1(27, 2) = "E"  
sRotor1(28, 2) = "K"  
sRotor1(29, 2) = "M"  
sRotor1(30, 2) = "F"  
sRotor1(31, 2) = "L"  
sRotor1(32, 2) = "G"  
sRotor1(33, 2) = "D"  
sRotor1(34, 2) = "Q"  
sRotor1(35, 2) = "V"  
sRotor1(36, 2) = "Z"  
sRotor1(37, 2) = "N"  
sRotor1(38, 2) = "T"  
sRotor1(39, 2) = "O"  
sRotor1(40, 2) = "W"  
sRotor1(41, 2) = "Y"  
sRotor1(42, 2) = "H"  
sRotor1(43, 2) = "X"  
sRotor1(44, 2) = "U"  
sRotor1(45, 2) = "S"  
sRotor1(46, 2) = "P"  
sRotor1(47, 2) = "A"  
sRotor1(48, 2) = "I"  
sRotor1(49, 2) = "B"  
sRotor1(50, 2) = "R"  
sRotor1(51, 2) = "C"  
sRotor1(52, 2) = "J"
```

```
sRotor2(1, 2) = "A"  
sRotor2(2, 2) = "J"  
sRotor2(3, 2) = "D"  
sRotor2(4, 2) = "K"  
sRotor2(5, 2) = "S"  
sRotor2(6, 2) = "I"
```

```
sRotor2(7, 2) = "R"  
sRotor2(8, 2) = "U"  
sRotor2(9, 2) = "X"  
sRotor2(10, 2) = "B"  
sRotor2(11, 2) = "L"  
sRotor2(12, 2) = "H"  
sRotor2(13, 2) = "W"  
sRotor2(14, 2) = "T"  
sRotor2(15, 2) = "M"  
sRotor2(16, 2) = "C"  
sRotor2(17, 2) = "Q"  
sRotor2(18, 2) = "G"  
sRotor2(19, 2) = "Z"  
sRotor2(20, 2) = "N"  
sRotor2(21, 2) = "P"  
sRotor2(22, 2) = "Y"  
sRotor2(23, 2) = "F"  
sRotor2(24, 2) = "V"  
sRotor2(25, 2) = "O"  
sRotor2(26, 2) = "E"  
sRotor2(27, 2) = "A"  
sRotor2(28, 2) = "J"  
sRotor2(29, 2) = "D"  
sRotor2(30, 2) = "K"  
sRotor2(31, 2) = "S"  
sRotor2(32, 2) = "I"  
sRotor2(33, 2) = "R"  
sRotor2(34, 2) = "U"  
sRotor2(35, 2) = "X"  
sRotor2(36, 2) = "B"  
sRotor2(37, 2) = "L"  
sRotor2(38, 2) = "H"  
sRotor2(39, 2) = "W"  
sRotor2(40, 2) = "T"  
sRotor2(41, 2) = "M"  
sRotor2(42, 2) = "C"  
sRotor2(43, 2) = "Q"  
sRotor2(44, 2) = "G"  
sRotor2(45, 2) = "Z"  
sRotor2(46, 2) = "N"  
sRotor2(47, 2) = "P"  
sRotor2(48, 2) = "Y"  
sRotor2(49, 2) = "F"  
sRotor2(50, 2) = "V"  
sRotor2(51, 2) = "O"  
sRotor2(52, 2) = "E"
```

```
sRotor3(1, 2) = "B"  
sRotor3(2, 2) = "D"  
sRotor3(3, 2) = "F"  
sRotor3(4, 2) = "H"  
sRotor3(5, 2) = "J"  
sRotor3(6, 2) = "L"  
sRotor3(7, 2) = "C"  
sRotor3(8, 2) = "P"  
sRotor3(9, 2) = "R"  
sRotor3(10, 2) = "T"  
sRotor3(11, 2) = "X"  
sRotor3(12, 2) = "V"  
sRotor3(13, 2) = "Z"  
sRotor3(14, 2) = "N"  
sRotor3(15, 2) = "Y"  
sRotor3(16, 2) = "E"  
sRotor3(17, 2) = "I"  
sRotor3(18, 2) = "W"  
sRotor3(19, 2) = "G"  
sRotor3(20, 2) = "A"  
sRotor3(21, 2) = "K"  
sRotor3(22, 2) = "M"  
sRotor3(23, 2) = "U"  
sRotor3(24, 2) = "S"  
sRotor3(25, 2) = "Q"  
sRotor3(26, 2) = "O"  
sRotor3(27, 2) = "B"
```

```
sRotor3(28, 2) = "D"  
sRotor3(29, 2) = "F"  
sRotor3(30, 2) = "H"  
sRotor3(31, 2) = "J"  
sRotor3(32, 2) = "L"  
sRotor3(33, 2) = "C"  
sRotor3(34, 2) = "P"  
sRotor3(35, 2) = "R"  
sRotor3(36, 2) = "T"  
sRotor3(37, 2) = "X"  
sRotor3(38, 2) = "V"  
sRotor3(39, 2) = "Z"  
sRotor3(40, 2) = "N"  
sRotor3(41, 2) = "Y"  
sRotor3(42, 2) = "E"  
sRotor3(43, 2) = "I"  
sRotor3(44, 2) = "W"  
sRotor3(45, 2) = "G"  
sRotor3(46, 2) = "A"  
sRotor3(47, 2) = "K"  
sRotor3(48, 2) = "M"  
sRotor3(49, 2) = "U"  
sRotor3(50, 2) = "S"  
sRotor3(51, 2) = "Q"  
sRotor3(52, 2) = "O"
```

```
reflector(1) = "A"  
reflector(2) = "B"  
reflector(3) = "C"  
reflector(4) = "D"  
reflector(5) = "E"  
reflector(6) = "F"  
reflector(7) = "G"  
reflector(8) = "D"  
reflector(9) = "I"  
reflector(10) = "J"  
reflector(11) = "K"  
reflector(12) = "G"  
reflector(13) = "M"  
reflector(14) = "K"  
reflector(15) = "M"  
reflector(16) = "I"  
reflector(17) = "E"  
reflector(18) = "B"  
reflector(19) = "F"  
reflector(20) = "T"  
reflector(21) = "C"  
reflector(22) = "V"  
reflector(23) = "V"  
reflector(24) = "J"  
reflector(25) = "A"  
reflector(26) = "T"
```

```
End Sub
```

```
Private Sub cmdPlus_Click()
```

```
End Sub
```

```
Private Sub CommandButton1_Click()
```

```
Dim intCh As Integer  
Dim matchLetter As String  
Dim i As Integer  
Dim found As Integer  
Dim initialLetter As String
```

```
lblPlainText.Caption = lblPlainText.Caption + txtLetterToEncrypt.Text
```

```
initialLetter = Trim(txtLetterToEncrypt.Text)
```

```
initialLetter = UCase(initialLetter)
```

```
For i = 1 To 26
```

```
    If initialLetter = sRotor1(i, 1) Then
```



```
        found = i
        Exit For
    End If
Next i
intCh = found - Int(TextBox1.Text) + 1

intCh = intCh + Int(TextBox2.Text) - 1
matchLetter = sRotor2(intCh, 1)
For i = Int(TextBox2.Text) To 52
    If matchLetter = sRotor2(i, 2) Then
        found = i
        Exit For
    End If
Next i
intCh = found - Int(TextBox2.Text) + 1

intCh = intCh + Int(TextBox3.Text) - 1
matchLetter = sRotor3(intCh, 1)
For i = Int(TextBox3.Text) To 52
    If matchLetter = sRotor3(i, 2) Then
        found = i
        Exit For
    End If
Next i
intCh = found - Int(TextBox3.Text) + 1

lblEncrypted.Caption = sRotor3(intCh, 1)

lblEncryptedText.Caption = lblEncryptedText.Caption + lblEncrypted.Caption

txtLetterToEncrypt.SetFocus
txtLetterToEncrypt.Text = ""

End Sub

Private Sub CommandButton2_Click()
    lblPlainText.Caption = ""
End Sub

Private Sub CommandButton3_Click()
    lblEncryptedText.Caption = ""
End Sub

Private Sub CommandButton4_Click()
    UserForm2.Hide
    UserForm1.Show
End Sub

Private Sub CommandButton5_Click()
    lblEncrypted.Visible = Not (lblEncrypted.Visible)
    lblEncryptedText.Visible = Not (lblEncryptedText.Visible)

End Sub

Private Sub Label11_Click()

End Sub

Private Sub Label8_Click()

End Sub

Private Sub TextBox1_Change()

Dim intOffset As Integer
Dim chArray(54) As String
intOffset = Int(TextBox1.Text) - 1
lblR1.Caption = ""
lblR1_A.Caption = ""

For i = 1 To 25
    lblR1_A.Caption = lblR1_A.Caption + sRotor1(i + intOffset, 1) + vbCrLf
```

```
lblR1.Caption = lblR1.Caption + sRotor1(i + intOffset, 2) + vbCrLf
UserForm1.Delay 25
Next i
```

```
End Sub
```

```
Private Sub TextBox2_Change()
Dim intOffset As Integer
Dim chArray(54) As String
```

```
intOffset = Int(TextBox2.Text) - 1
lblR2.Caption = ""
lblR2_A.Caption = ""
```

```
For i = 1 To 25
    lblR2_A.Caption = lblR2_A.Caption + sRotor2(i + intOffset, 1) + vbCrLf
    lblR2.Caption = lblR2.Caption + sRotor2(i + intOffset, 2) + vbCrLf
    UserForm1.Delay 25
Next i
```

```
End Sub
```

```
Private Sub TextBox3_Change()
Dim intOffset As Integer
```

```
intOffset = Int(TextBox3.Text) - 1
lblR3.Caption = ""
lblR3_A.Caption = ""
```

```
For i = 1 To 25
    lblR3_A.Caption = lblR3_A.Caption + sRotor3(i + intOffset, 1) + vbCrLf
    lblR3.Caption = lblR3.Caption + sRotor3(i + intOffset, 2) + vbCrLf
    UserForm1.Delay 25
Next i
```

```
End Sub
```

```
Private Sub txtLetterToEncrypt_Change()
If Trim(txtLetterToEncrypt.Text) <> "" Then
    UserForm1.Delay 300
    CommandButton1_Click
End If
End Sub
```

```
Private Sub txtR1_Change()
Select Case Trim(txtR1.Text)
```

```
Case "a", "A"
    TextBox1.Text = 1
Case "b", "B"
    TextBox1.Text = 2
Case "c", "C"
    TextBox1.Text = 3
Case "d", "D"
    TextBox1.Text = 4
Case "e", "E"
    TextBox1.Text = 5
Case "f", "F"
    TextBox1.Text = 6
Case "g", "G"
    TextBox1.Text = 7
Case "h", "H"
    TextBox1.Text = 8
Case "i", "I"
    TextBox1.Text = 9
Case "j", "J"
    TextBox1.Text = 10
Case "k", "K"
    TextBox1.Text = 11
Case "l", "L"
    TextBox1.Text = 12
Case "m", "M"
    TextBox1.Text = 13
```



```
Case "n", "N"
  TextBox1.Text = 14
Case "o", "O"
  TextBox1.Text = 15
Case "p", "P"
  TextBox1.Text = 16
Case "q", "Q"
  TextBox1.Text = 17
Case "r", "R"
  TextBox1.Text = 18
Case "s", "S"
  TextBox1.Text = 19
Case "t", "T"
  TextBox1.Text = 20
Case "u", "U"
  TextBox1.Text = 21
Case "v", "V"
  TextBox1.Text = 22
Case "w", "W"
  TextBox1.Text = 23
Case "x", "X"
  TextBox1.Text = 24
Case "y", "Y"
  TextBox1.Text = 25
Case "z", "Z"
  TextBox1.Text = 26
Case Else
  TextBox1.Text = 0
End Select
UserForm1.Delay (500)
txtR2.SetFocus
```

```
End Sub
```

```
Private Sub txtR2_Change()
  Select Case Trim(txtR2.Text)
```

```
Case "a", "A"
  TextBox2.Text = 1
Case "b", "B"
  TextBox2.Text = 2
Case "c", "C"
  TextBox2.Text = 3
Case "d", "D"
  TextBox2.Text = 4
Case "e", "E"
  TextBox2.Text = 5
Case "f", "F"
  TextBox2.Text = 6
Case "g", "G"
  TextBox2.Text = 7
Case "h", "H"
  TextBox2.Text = 8
Case "i", "I"
  TextBox2.Text = 9
Case "j", "J"
  TextBox2.Text = 10
Case "k", "K"
  TextBox2.Text = 11
Case "l", "L"
  TextBox2.Text = 12
Case "m", "M"
  TextBox2.Text = 13
Case "n", "N"
  TextBox2.Text = 14
Case "o", "O"
  TextBox2.Text = 15
Case "p", "P"
  TextBox2.Text = 16
Case "q", "Q"
  TextBox2.Text = 17
Case "r", "R"
  TextBox2.Text = 18
Case "s", "S"
  TextBox2.Text = 19
Case "t", "T"
```

```
    TextBox2.Text = 20
    Case "u", "U"
    TextBox2.Text = 21
    Case "v", "V"
    TextBox2.Text = 22
    Case "w", "W"
    TextBox2.Text = 23
    Case "x", "X"
    TextBox2.Text = 24
    Case "y", "Y"
    TextBox2.Text = 25
    Case "z", "Z"
    TextBox2.Text = 26
    Case Else
    TextBox2.Text = 0
End Select
```

```
txtR3.SetFocus
End Sub
```

```
Private Sub txtR3_Change()
Select Case Trim(txtR3.Text)
```

```
Case "a", "A"
    TextBox3.Text = 1
    Case "b", "B"
    TextBox3.Text = 2
    Case "c", "C"
    TextBox3.Text = 3
    Case "d", "D"
    TextBox3.Text = 4
    Case "e", "E"
    TextBox3.Text = 5
    Case "f", "F"
    TextBox3.Text = 6
    Case "g", "G"
    TextBox3.Text = 7
    Case "h", "H"
    TextBox3.Text = 8
    Case "i", "I"
    TextBox3.Text = 9
    Case "j", "J"
    TextBox3.Text = 10
    Case "k", "K"
    TextBox3.Text = 11
    Case "l", "L"
    TextBox3.Text = 12
    Case "m", "M"
    TextBox3.Text = 13
    Case "n", "N"
    TextBox3.Text = 14
    Case "o", "O"
    TextBox3.Text = 15
    Case "p", "P"
    TextBox3.Text = 16
    Case "q", "Q"
    TextBox3.Text = 17
    Case "r", "R"
    TextBox3.Text = 18
    Case "s", "S"
    TextBox3.Text = 19
    Case "t", "T"
    TextBox3.Text = 20
    Case "u", "U"
    TextBox3.Text = 21
    Case "v", "V"
    TextBox3.Text = 22
    Case "w", "W"
    TextBox3.Text = 23
    Case "x", "X"
    TextBox3.Text = 24
    Case "y", "Y"
    TextBox3.Text = 25
    Case "z", "Z"
    TextBox3.Text = 26
    Case Else
    TextBox3.Text = 0
```

```
End Select  
'txtR2.SetFocus  
End Sub
```

```
Private Sub UserForm_Initialize()  
Dim i As Integer  
Call fill_arrays
```

```
lblR1_A.Caption = ""  
lblR2_A.Caption = ""  
lblR3_A.Caption = ""  
lblR1.Caption = ""  
lblR2.Caption = ""  
lblR3.Caption = ""
```

```
For i = 1 To 26  
lblR1_A.Caption = lblR1_A.Caption + sRotor1(i, 1) + vbCrLf  
lblR2_A.Caption = lblR2_A.Caption + sRotor2(i, 1) + vbCrLf  
lblR3_A.Caption = lblR3_A.Caption + sRotor3(i, 1) + vbCrLf  
lblR1.Caption = lblR1.Caption + sRotor1(i, 2) + vbCrLf  
lblR2.Caption = lblR2.Caption + sRotor2(i, 2) + vbCrLf  
lblR3.Caption = lblR3.Caption + sRotor3(i, 2) + vbCrLf  
Next i
```

```
flagR2F = False
```

```
End Sub
```

ROTORS: 1 2 3

KEY WORD SETTING

LETTER TO ENCRYPT

ENCRYPTED TO

SHOW / HIDE

PLAIN TEXT SO FAR

CLEAR

ENCRYPTED TEXT SO FAR

CLEAR

COPY - BIN

CommandButton1

REFLECTOR

ROTOR 1 ROTOR 2

A
B
C
D
E
F
G
D
I
J
K
G
M
K
M
I
E
B
F
T
C
V
V
J
A
T

A A
B B
C C
D D
E E
F F
G G
H H
I I
J J
K K
L L
M M
N N
O O
P P
Q Q
R R
S S
T T
U U
V V
W W
X X
Y Y
Z Z

A A
B B
C C
D D
E E
F F
G G
H H
I I
J J
K K
L L
M M
N N
O O
P P
Q Q
R R
S S
T T
U U
V V
W W
X X
Y Y
Z Z

NewMacros - 1

```
Sub test1 ()
```

```
UserForm1.Show
```

```
End Sub
```

```
Sub test2 ()
```

```
▼
```

```
▼ test2 Μακροεντ
```

```
▼
```

```
▼
```

```
End Sub
```