

Codice Visual Basic
Conversioni Decimale-Binario Decimale-Esadecimale
Binario-Decimale Esadecimale-Decimale

' conversione binario- decimale

```
A = Text1.Text
Err = 0
decim = 0
For I = 1 To Len(A)
  If (Mid(A, I, 1) <> 0) And (Mid(A, I, 1) <> 1) Then
    Err = 1
  End If
Next
If Err = 1 Then
  MsgBox "Cifre non valide ", 0, "Errore"
  Text1.Text = ""
  Text2.Text = ""
ElseIf A = "" Then
  MsgBox "Inserire un numero", 0, "Errore"
  Text2.Text = ""
Else
  Label4.Caption = "Binario"
  Label5.Caption = "Decimale"
  Text2.Text = ""
  esp = 0
  For I = Len(A) To 1 Step -1
    decim = decim + (Val(Mid(A, I, 1) * (2 ^ esp)))
    esp = esp + 1
  Next
  Text2.Text = decim
End If
End Sub
```

Private Sub DecBin_Click()

' Conversione decimale - binario

```
If (IsNumeric(Text1.Text)) And (Text1.Text <> "") Then
  D = Val(Text1.Text)
  Text2.Text = ""
  Label4.Caption = "Decimale"
  Label5.Caption = "Binario"
  Do
    resto = D Mod 2
    quoz = D \ 2
    D = quoz
    Text2.Text = resto & Text2.Text
  Loop While quoz <> 0
Else
  Label4.Caption = ""
  Label5.Caption = ""
  MsgBox "Inserire un numero decimale", 0, "Errore"
End If

End Sub
```

```

Private Sub EsaDec_Click()
' conversione Esadecimale Decimale
numero = Text1.Text
Err = 0
decim = 0
For I = 1 To Len(numero)
  Select Case Mid(numero, I, 1)
  Case 0 To 9
    Err = 0
  Case "A" To "F"
    Err = 0
  Case "a" To "f"
    Err = 0
  Case Else
    Err = 1
  End Select

Next
If Err = 1 Then
  MsgBox "Cifre non valide ", 0, "Errore"
  Text1.Text = ""
  Text2.Text = ""
ElseIf Text1.Text = "" Then
  MsgBox "Inserire un numero ", 0, "Errore"
  Text2.Text = ""
Else
  Label4.Caption = "Esadecimale"
  Label5.Caption = "Decimale"
  Text2.Text = ""
  esp = 0
  For I = Len(numero) To 1 Step -1
    cifra = Mid(numero, I, 1)
    Select Case cifra
    Case "A", "a"
      cifra = 10
    Case "B", "b"
      cifra = 11
    Case "C", "c"
      cifra = 12
    Case "D", "d"
      cifra = 13
    Case "E", "e"
      cifra = 14
    Case "F", "f"
      cifra = 15
    End Select
    decim = decim + (Val(cifra) * (16 ^ esp))
    esp = esp + 1

Next
Text2.Text = decim

```

```
End If
End Sub
```

```
Private Sub DecEsa_Click()
```

```
' conversione Decimale esadecimale
```

```
If IsNumeric(Text1.Text) And (Text1.Text <> "") Then
```

```
    D = Val(Text1.Text)
```

```
    Text2.Text = ""
```

```
    Label4.Caption = "Decimale"
```

```
    Label5.Caption = "Esadecimale"
```

```
    Text2.Text = ""
```

```
    Do
```

```
        resto = D Mod 16
```

```
        quoz = D \ 16
```

```
        D = quoz
```

```
        Select Case resto
```

```
            Case 10
```

```
                resto = "A"
```

```
            Case 11
```

```
                resto = "B"
```

```
            Case 12
```

```
                resto = "C"
```

```
            Case 13
```

```
                resto = "D"
```

```
            Case 14
```

```
                resto = "E"
```

```
            Case 15
```

```
                resto = "F"
```

```
        End Select
```

```
        Text2.Text = resto & Text2.Text
```

```
    Loop While quoz <> 0
```

```
    Else
```

```
        MsgBox "Inserire un numero decimale ", 0, "Errore"
```

```
    End If
```

```
End sub
```