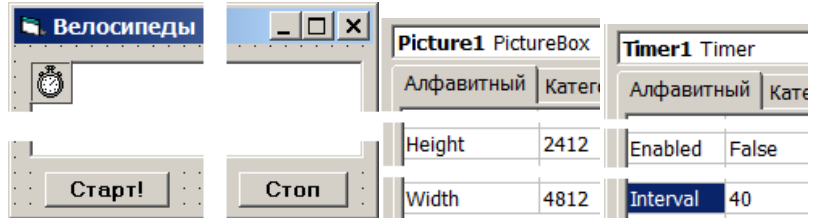


## 31-32. Создание программы «Велосипеды»

1. Создайте *форму* проекта с элементами: *рисунок, таймер, 2 командные кнопки* и задайте их *параметры*.



2. Сохраните *форму и проект* в папке:

*Мои документы\Проекты\  
Велосипеды\*

3. Объявите *переменные и константы*, запишите *процедуры проекта*:

```
Const Pi = 3.1416, n = 36
Dim i As Integer, j As Integer, dw As Byte
Dim z As Byte, x As Single, v As Byte, Col As Long
Private Sub Koleso(b)
    Picture1.DrawWidth = 1
    For j = 0 To 4 * n Step 4
        Picture1.Line (x + b + 0.04 * Sin(Pi * (j - i) / n), -(1.5 + 0.04 * Cos(Pi * (j - i) / n))-(x + b + 0.4 * Sin(Pi * ((j - i + n / 3) Mod n * 2) / n), -(1.5 + 0.4 * Cos(Pi * ((j - i + n / 3) Mod n * 2) / n))), vbGreen
        Picture1.Line (x + b + 0.4 * Sin(Pi * ((j - i + n / 3 + 2) Mod n * 2) / n), -(1.5 + 0.4 * Cos(Pi * ((j - i + n / 3 + 2) Mod n * 2) / n))-(x + b + 0.04 * Sin(Pi * ((j - i + 2 * n / 3 + 4) Mod 2 * n) / n), -(1.5 + 0.04 * Cos(Pi * ((j - i + 2 * n / 3) Mod 2 * n) / n))), vbGreen
    Next
    Picture1.DrawWidth = 6
    Picture1.Circle (x + b, -1.5), 0.4
End Sub
Private Sub Velosiped(Clr As Long)
    Koleso 0
    Koleso 1.24
    Picture1.DrawWidth = 9
    Picture1.Circle (x, -1.5), 0.02
    Picture1.DrawWidth = 3
    Picture1.Line (x, -1.5)-(x + 0.3, -0.95), Clr
    Picture1.Line (x - 0.02, -1.5)-(x + 0.54, -1.5), Clr
    Picture1.Line (x + 1.05, -1.11)-(x + 1.16, -1.38), Clr
    Picture1.Line (x + 1.16, -1.38)-(x + 1.24, -1.5), Clr
    Picture1.DrawWidth = 2
    Picture1.Line (x, -1.45)-(x + 0.54, -1.38)
    Picture1.Line (x, -1.55)-(x + 0.54, -1.62)
    Picture1.DrawWidth = 5
    Picture1.Line (x + 0.25, -0.83)-(x + 0.3, -0.95)
    Picture1.Line (x + 0.3, -0.95)-(x + 0.54, -1.5), Clr
    Picture1.Line (x + 0.29, -0.92)-(x + 0.97, -0.92), Clr
    Picture1.Line (x + 0.54, -1.5)-(x + 1, -1.04), Clr
    Picture1.Line (x + 0.92, -0.73)-(x + 0.98, -0.92)
    Picture1.Line (x + 0.98, -0.92)-(x + 1.05, -1.11), Clr
    Picture1.Line (x + 0.92, -0.73)-(x + 1.04, -0.76)
    Picture1.Line (x + 1.04, -0.76)-(x + 1.04, -0.8)
    Picture1.Line (x + 0.86, -0.86)-(x + 1.04, -0.8)
    Picture1.DrawWidth = 2
    Picture1.Circle (x + 0.54, -1.5), 0.12
    Picture1.DrawWidth = 6
    Picture1.Line (x + 0.18, -0.79)-(x + 0.4, -0.81), vbRed
    Picture1.Line (x + 0.18, -0.81)-(x + 0.4, -0.81), vbRed
End Sub
Private Sub Command1_Click()
    Timer1.Enabled = True
End Sub
Private Sub Command2_Click()
    Timer1.Enabled = False
End Sub
Private Sub Form_Load()
    Picture1.Scale (0, 0)-(4, -2)
    Col = vbBlue
    v = 3
End Sub
Private Sub Timer1_Timer()
    Picture1.Cls
    i = (i + 1) Mod 4
    x = x + v / 100
    If x > 5 Then
        x = -1.6
        Col = QBColor(Int(Rnd() * 8 + 1))
        v = 2 + Int(Rnd() * 8)
    End If
    Velosiped Col
End Sub
```

4. Сделайте программный файл «Велосипеды.exe», сохраните изменения *формы и проекта*. Запустите программу «Велосипеды.exe» и проверьте её работу.