



# ПРОГРАММИРОВАНИЕ НА VB

Сборник примеров программ

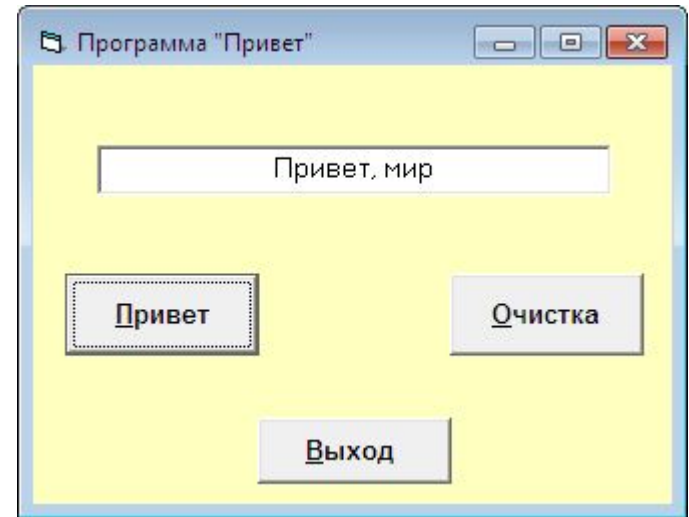


# Программа «Привет»

```
Private Sub cmdClear_Click()  
txtDisplay.Text = ""  
End Sub
```

```
Private Sub cmdHello_Click()  
txtDisplay.Text = "Привет, мир"  
End Sub
```

```
Private Sub cmdExit_Click()  
Beep  
End  
End Sub
```

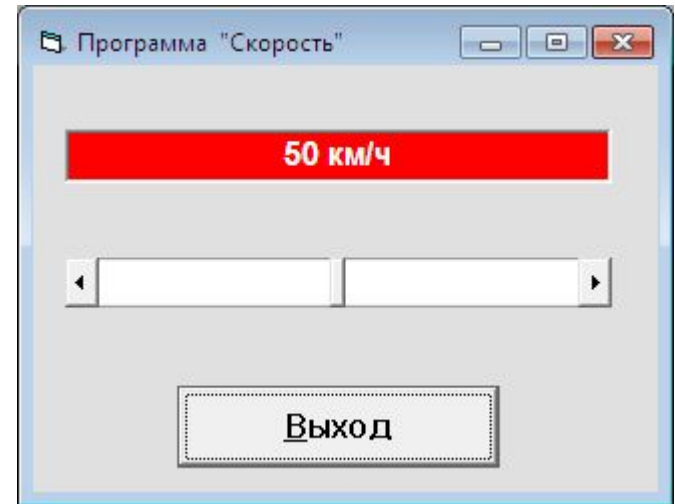


# Программа «Скорость»

```
Private Sub hsbSpeed_Change()  
txtSpeed.Text =  
    Str(hsbSpeed.Value) + "км/ч"  
End Sub
```

```
Private Sub hsbSpeed_Scroll()  
hsbSpeed_Change  
End Sub
```

```
Private Sub cmdExit_Click()  
End  
End Sub
```



# Программа «Выбор»

## Option Explicit

```
Private Sub chkColors_Click()  
UpdateLabel  
End Sub
```

```
Private Sub chkMouse_Click()  
UpdateLabel  
End Sub
```

```
Private Sub chkSound_Click()  
UpdateLabel  
End Sub
```

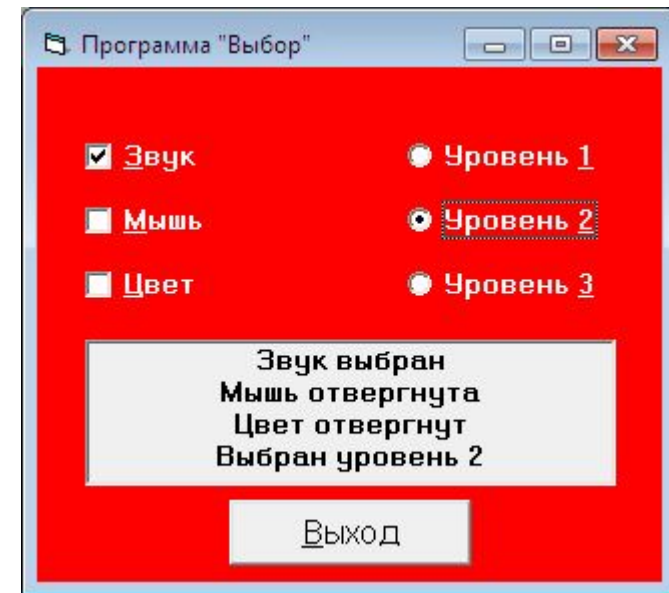
```
Private Sub cmdExit_Click()  
End  
End Sub
```

```
Private Sub optLevel1_Click()  
UpdateLabel  
End Sub
```

```
Private Sub optLevel2_Click()  
UpdateLabel  
End Sub
```

```
Private Sub optLevel3_Click()  
UpdateLabel  
End Sub
```

```
Public Sub UpdateLabel()  
Dim Info  
Dim LFCR  
LFCR = Chr(13) + Chr(10)  
If chkSound.Value = 1 Then  
Info = "Звук выбран"  
Else  
Info = "Звук отвергнут"  
End If  
If chkMouse.Value = 1 Then  
Info = Info + LFCR + "Мышь выбрана"  
Else  
Info = Info + LFCR + "Мышь отвергнута"  
End If  
If chkColors.Value = 1 Then  
Info = Info + LFCR + "Цвет выбран"  
Else  
Info = Info + LFCR + "Цвет отвергнут"  
End If  
If optLevel1.Value = True Then  
Info = Info + LFCR + "Выбран уровень 1"  
End If  
If optLevel2.Value = True Then  
Info = Info + LFCR + "Выбран уровень 2"  
End If  
If optLevel3.Value = True Then  
Info = Info + LFCR + "Выбран уровень 3"  
End If  
lblChoice.Caption = Info  
End Sub
```



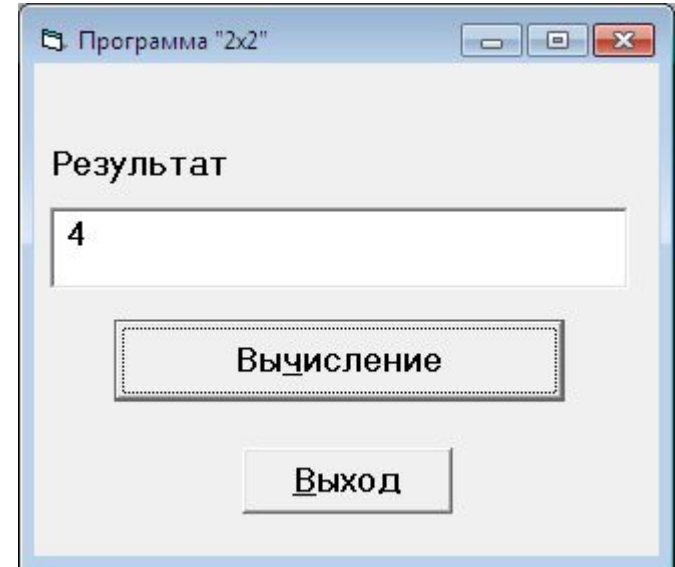
# Программа «2x2»

## Option Explicit

```
Private Sub cmdCalculate_Click()  
Multiply 2, 2  
End Sub
```

```
Public Sub Multiply(X As Integer, Y As Integer)  
Dim Z  
Z = X * Y  
txtResult.Text = Str(Z)  
End Sub
```

```
Private Sub cmdExit_Click()  
End  
End Sub
```



# Программа «Сумма»

Option Explicit

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```

```
Private Sub cmdSumIt_Click()
```

```
Dim I
```

```
Dim R
```

```
For I = 1 To vsbNum.Value Step 1
```

```
R = R + I
```

```
Next
```

```
txtResult.Text = Str(R)
```

```
End Sub
```

```
Private Sub vsbNum_Change()
```

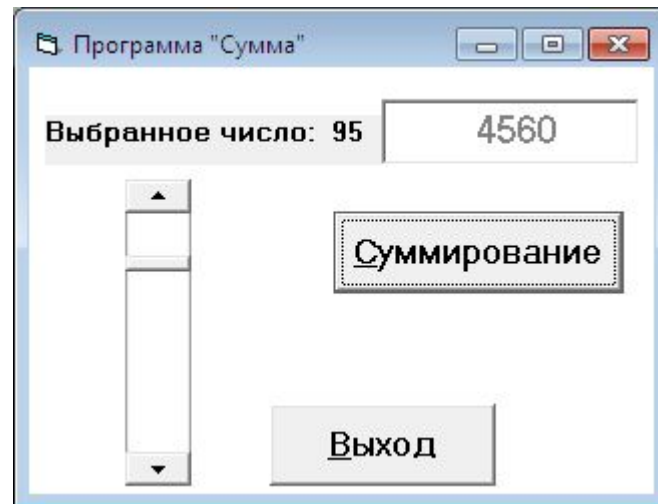
```
lblNum = "Выбранное число: " +  
Str(vsbNum.Value)
```

```
End Sub
```

```
Private Sub vsbNum_Scroll()
```

```
vsbNum_Change
```

```
End Sub
```



# Программа «Таймер»

Option Explicit

Dim gKeepTrack

Private Sub cmdEnableDisable\_Click()

    If gKeepTrack = 1 Then

        gKeepTrack = 0

        cmdEnableDisable.Caption = "Включить"

    Else

        gKeepTrack = 1

        cmdEnableDisable.Caption =

        "Выключить"

    End If

End Sub

Private Sub tmrTimer\_Timer()

    If gKeepTrack = 1 Then

        Beep

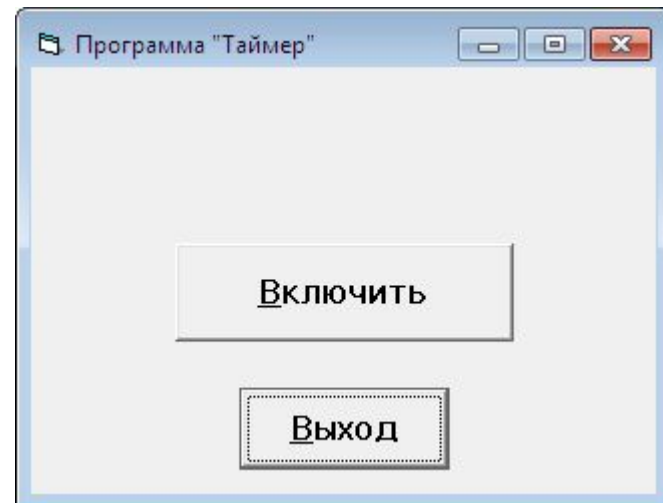
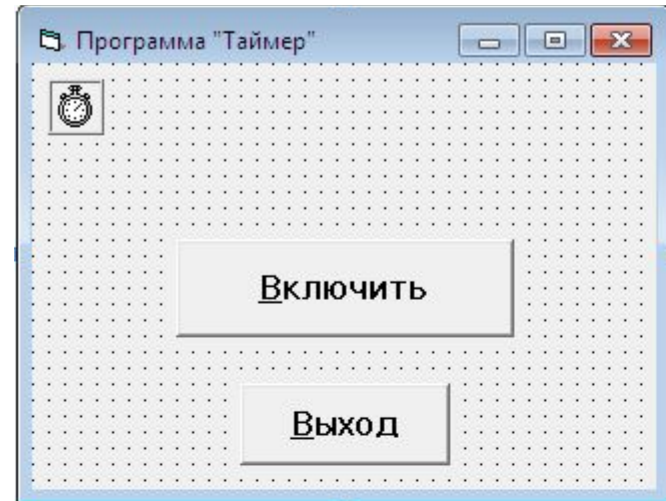
    End If

End Sub

Private Sub cmdExit\_Click()

End

End Sub



# Программа «Как часто?»

Option Explicit

```
Private Sub Form_MouseMove(Button As Integer, Shift As Integer, _  
    X As Single, Y As Single)
```

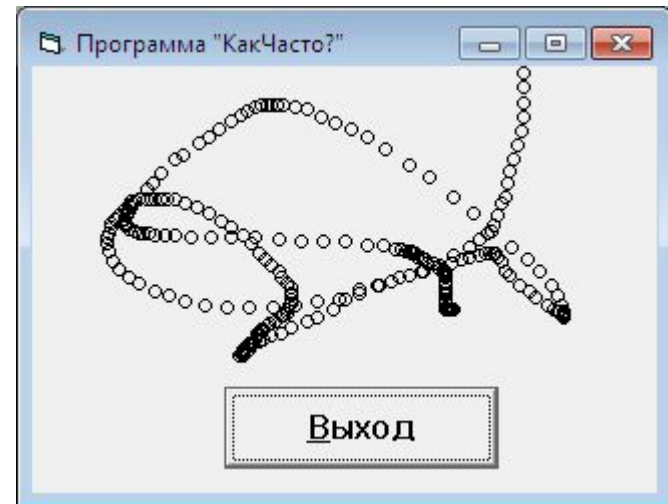
```
Circle (X, Y), 40, QBColor(4)
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```





# Программа "Кнопка"

Option Explicit

```
Private Sub imgMouse_MouseDown(Button As Integer, Shift As Integer, X As Single, Y As Single)
```

```
    If Button = 1 Then
```

```
        txtResult.Text = "Нажата левая кнопка"
```

```
    End If
```

```
    If Button = 2 Then
```

```
        txtResult.Text = "Нажата правая кнопка"
```

```
    End If
```

```
    If Button = 4 Then
```

```
        txtResult.Text = "Нажата средняя кнопка"
```

```
    End If
```

```
End Sub
```

```
Private Sub imgMouse_MouseUp(Button As Integer, Shift As Integer, X As Single, Y As Single)
```

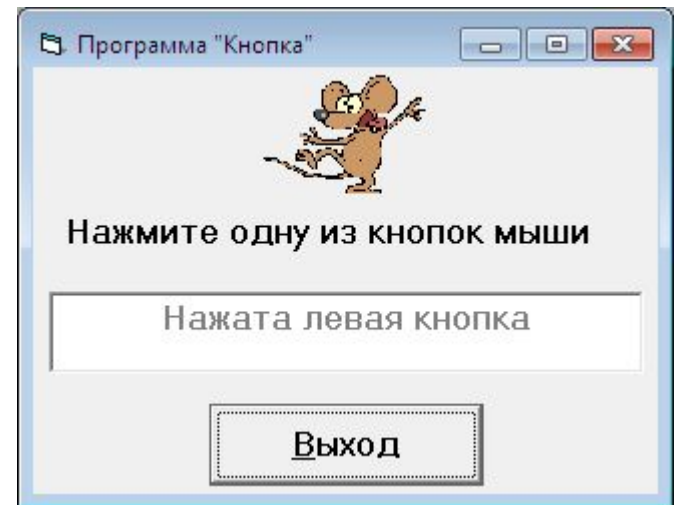
```
    txtResult.Text = ""
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```



# Программа «Кнопка2»

Option Explicit

```
Private Sub Form_MouseMove(Button As Integer, Shift As Integer, X As Single, Y As Single)
```

```
    If (Button And 1) = 1 Then
```

```
        chkLeft.Value = 1
```

```
    Else
```

```
        chkLeft.Value = 0
```

```
    End If
```

```
    If (Button And 2) = 2 Then
```

```
        chkRight.Value = 1
```

```
    Else
```

```
        chkRight.Value = 0
```

```
    End If
```

```
    If (Button And 4) = 4 Then
```

```
        chkMiddle.Value = 1
```

```
    Else
```

```
        chkMiddle.Value = 0
```

```
    End If
```

```
End Sub
```

```
Private Sub Form_MouseUp(Button As Integer, Shift As Integer, X As Single, Y As Single)
```

```
    If Button = 1 Then
```

```
        chkLeft.Value = 0
```

```
    End If
```

```
    If Button = 2 Then
```

```
        chkRight.Value = 0
```

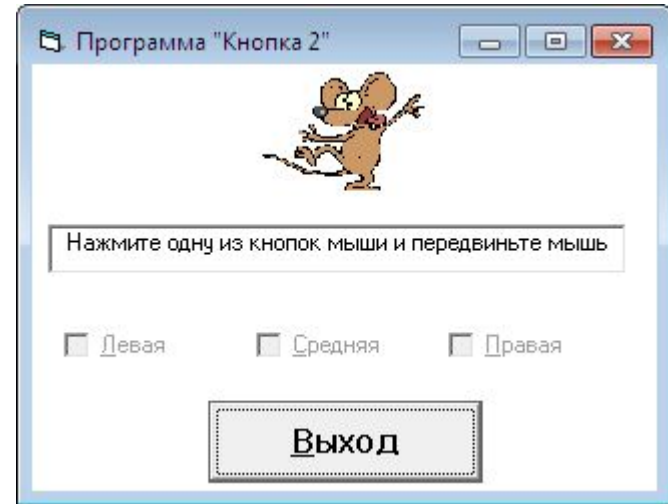
```
    End If
```

```
    If Button = 4 Then
```

```
        chkMiddle.Value = 0
```

```
    End If
```

```
End Sub
```



```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```

# Программа «Прыжок»

## Option Explicit

```
Private Sub Form_MouseDown(Button As Integer, Shift As Integer, X As Single, Y As Single)
```

```
  If optSpade.Value = True Then
```

```
    imgSpade.Move X, Y
```

```
  End If
```

```
  If optClub.Value = True Then
```

```
    imgClub.Move X, Y
```

```
  End If
```

```
  If optHeart.Value = True Then
```

```
    imgHeart.Move X, Y
```

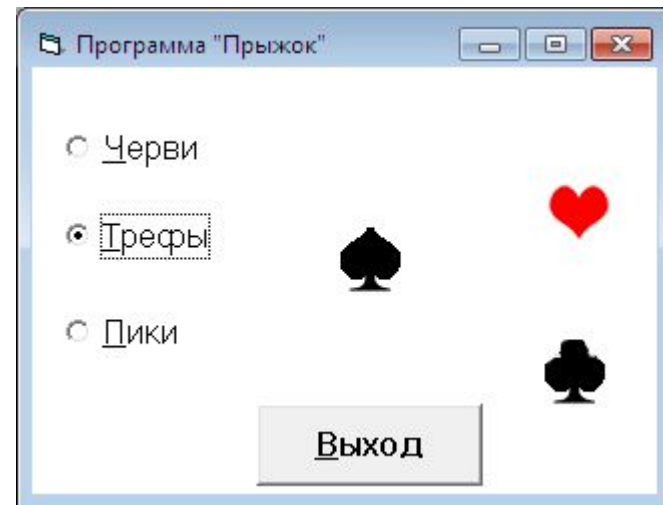
```
  End If
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```



# Программа «Рисовальщик»

## Option Explicit

```
Private Sub Form_MouseDown(Button As Integer, Shift As Integer, X As Single, Y As Single)
```

```
    frmDraw.CurrentX = X
```

```
    frmDraw.CurrentY = Y
```

```
End Sub
```

```
Private Sub Form_MouseMove(Button As Integer, Shift As Integer, X As Single, Y As Single)
```

```
    If Button = 1 Then
```

```
        Line (frmDraw.CurrentX, frmDraw.CurrentY)-(X, Y), QBColor(0)
```

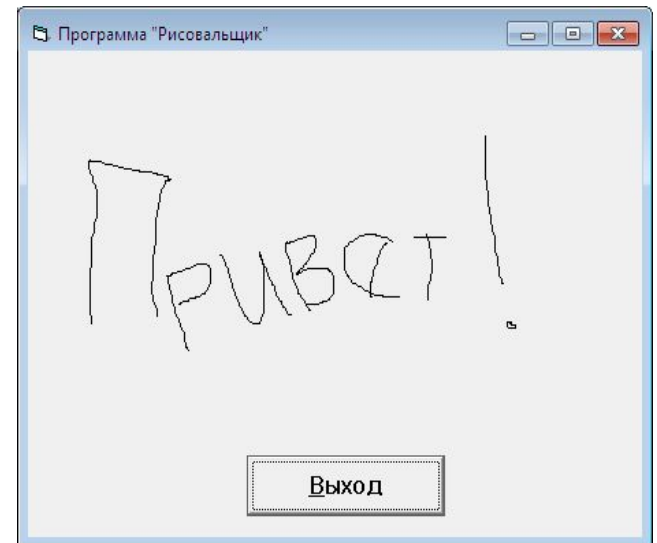
```
    End If
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```



# Программа «Тащи-бросай»

## Option Explicit

```
Private Sub cmdExit_DragOver(Source As Control, X As Single, Y As Single, State As Integer)
```

```
Dim sInfo As String
```

```
sInfo = "Перетаскиваем "
```

```
sInfo = sInfo + Source.Tag
```

```
sInfo = sInfo + " через кнопку выхода."
```

```
sInfo = sInfo + "Параметр State = "
```

```
sInfo = sInfo + Str(State)
```

```
txtInfo.Text = sInfo
```

```
End Sub
```

```
Private Sub Form_DragDrop(Source As Control, X As Single, Y As Single)
```

```
txtInfo.Text = ""
```

```
Source.Move X, Y
```

```
End Sub
```

```
Private Sub Form_DragOver(Source As Control, X As Single, Y As Single, State As Integer)
```

```
Dim sInfo As String
```

```
sInfo = "Перетаскиваем "
```

```
sInfo = sInfo + Source.Tag
```

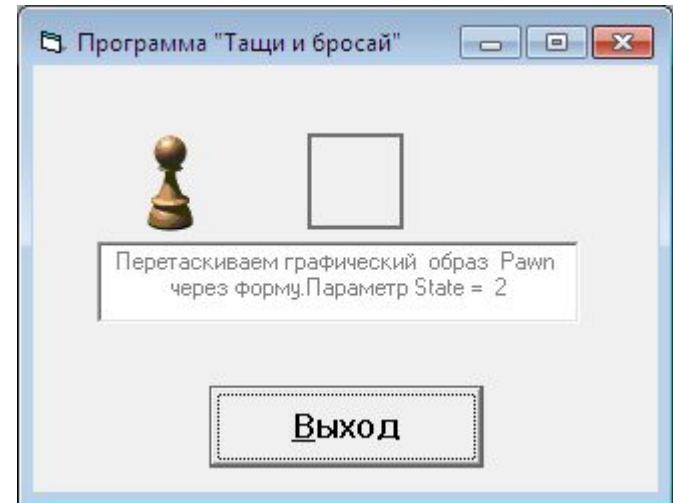
```
sInfo = sInfo + " через форму."
```

```
sInfo = sInfo + "Параметр State = "
```

```
sInfo = sInfo + Str(State)
```

```
txtInfo.Text = sInfo
```

```
End Sub
```



# Программа «Безразмерное меню»

**Option Explicit**

**Dim gLastElement As Integer**

**Private Sub Form\_Load()**

**gLastElement = 0**

**mnuRemove.Enabled = False**

**End Sub**

**Private Sub mnuAdd\_Click()**

**gLastElement = gLastElement + 1**

**Load mnultems(gLastElement)**

**mnultems(gLastElement).Caption = "ПУНКТ" +  
Str(gLastElement)**

**mnuRemove.Enabled = True**

**End Sub**

**Private Sub mnultems\_Click(Index As Integer)**

**MsgBox "Вы выбрали пункт " + Str(Index)**

**End Sub**

**Private Sub mnuRemove\_Click()**

**Unload mnultems(gLastElement)**

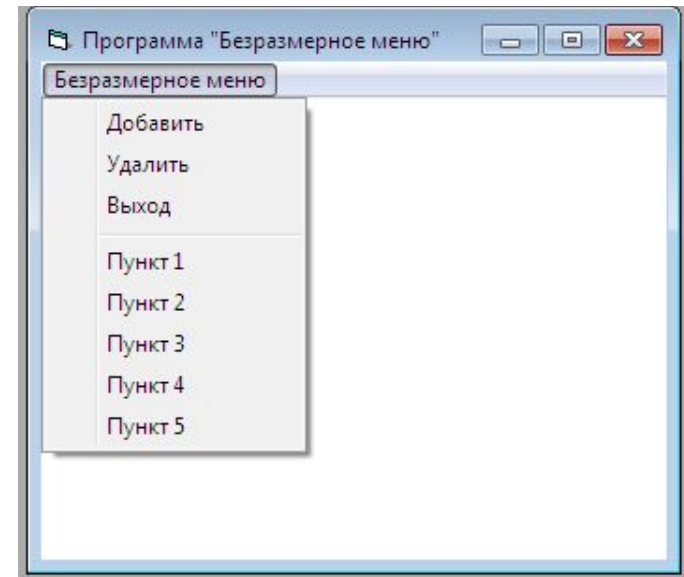
**gLastElement = gLastElement - 1**

**If gLastElement = 0 Then**

**mnuRemove.Enabled = False**

**End If**

**End Sub**



# Программа «Цвет»

Option Explicit

```
Private Sub Form_Load()  
mnuWhite.Enabled = False  
mnuSmall.Enabled = False  
End Sub
```

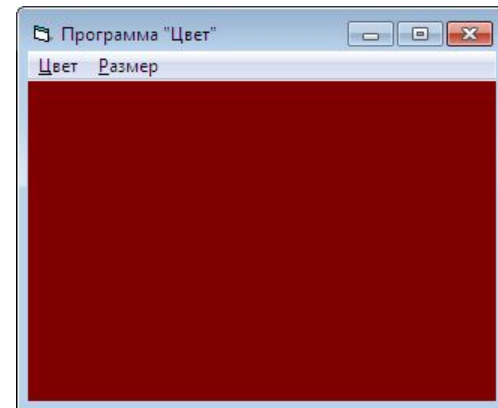
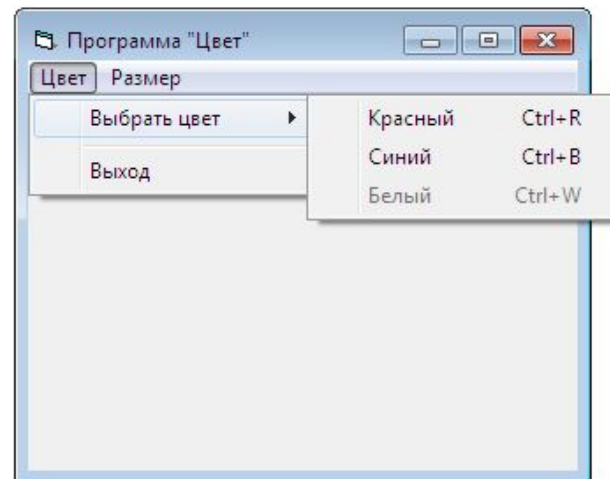
```
Private Sub mnuBlue_Click()  
frmColors.BackColor =  
    QBColor(1)  
mnuBlue.Enabled = False  
mnuRed.Enabled = True  
mnuWhite.Enabled = True  
End Sub
```

```
Private Sub mnuLarge_Click()  
frmColors.WindowState = 2  
mnuLarge.Enabled = False  
mnuSmall.Enabled = True  
End Sub
```

```
Private Sub mnuRed_Click()  
frmColors.BackColor = QBColor(4)  
mnuRed.Enabled = False  
mnuBlue.Enabled = True  
mnuWhite.Enabled = True  
End Sub
```

```
Private Sub mnuSmall_Click()  
frmColors.WindowState = 0  
mnuSmall.Enabled = False  
mnuLarge.Enabled = True  
End Sub
```

```
Private Sub mnuWhite_Click()  
frmColors.BackColor = QBColor(15)  
mnuWhite.Enabled = False  
mnuBlue.Enabled = True  
mnuRed.Enabled = True  
End Sub
```



# Программа «Сообщение»

**Option Explicit**

**Private Sub cmdExit\_Click()**

**Dim Message As String**

**Dim ButtonsAndIcons As Integer**

**Dim Title As String**

**Dim Response As String**

**Message = "Вы уверены, что хотите выйти?"**

**ButtonsAndIcons = vbYesNo + vbQuestion**

**Title = "Сообщение программы Сообщение"**

**Response = MsgBox(Message, ButtonsAndIcons, Title)**

**If Response = vbYes Then**

**End**

**End If**

**End Sub**

**Private Sub cmdMessage\_Click()**

**Dim Message As String**

**Dim ButtonsAndIcons As Integer**

**Dim Title As String**

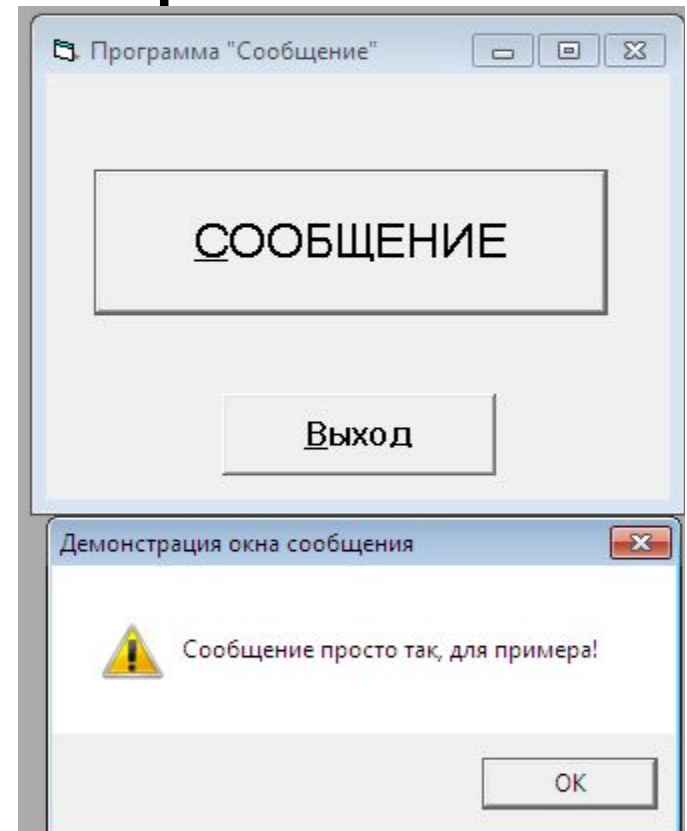
**Message = "Сообщение просто так, для примера!"**

**ButtonsAndIcons = vbOKOnly + vbExclamation**

**Title = "Демонстрация окна сообщения"**

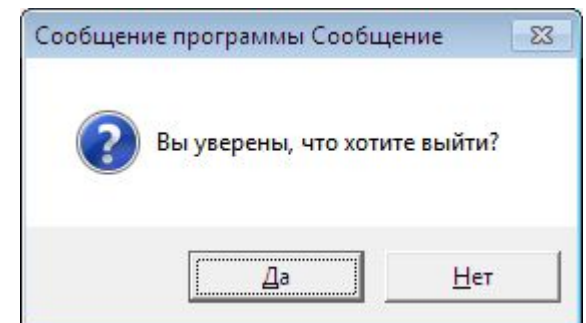
**MsgBox Message, ButtonsAndIcons, Title**

**End Sub**



Сообщение просто так, для примера!

OK





# Программа «Общий диалог»

## Option Explicit

```
Private Sub mnuColor_Click()
```

```
    On Error GoTo ColorError
```

```
    CommonDialog1.Action = 3
```

```
    frmCommon.BackColor = CommonDialog1.Color
```

## Exit Sub

```
ColorError:
```

```
    MsgBox "Вы закрыли диалог Цвет кнопкой  
Cancel(Отмена)!"
```

## Exit Sub

## End Sub

```
Private Sub mnuOpen_Click()
```

```
    Dim Filter As String
```

```
    On Error GoTo OpenError
```

```
    Filter = "Все файлы (*.*)|*.* |"
```

```
    Filter = Filter + "Текстовые файлы (*.txt)|*.txt |"
```

```
    Filter = Filter + "Пакетные файлы (*.bat)|*.bat"
```

```
    CommonDialog1.Filter = Filter
```

```
    CommonDialog1.FilterIndex = 2
```

```
    CommonDialog1.Action = 1
```

```
    MsgBox "Вы выбрали: " + CommonDialog1.FileName
```

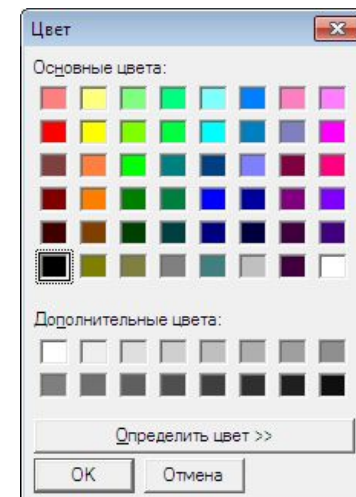
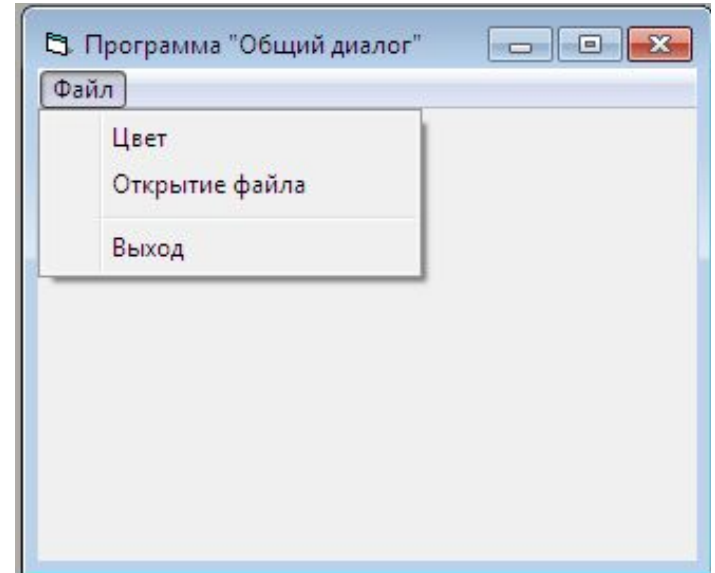
## Exit Sub

```
OpenError:
```

```
    MsgBox "Вы закрыли диалог Open кнопкой  
Cancel(Отмена)!"
```

## Exit Sub

## End Sub



# Программа «Фигура»

```
Option Explicit
Private Sub cmdCircle_Click()
shpAllShapes.Shape = 3
End Sub
Private Sub cmdExit_Click()
End
End Sub
Private Sub cmdOval_Click()
shpAllShapes.Shape = 2
End Sub
Private Sub cmdRectangle_Click()
shpAllShapes.Shape = 0
End Sub
Private Sub cmdRndRect_Click()
shpAllShapes.Shape = 4
End Sub
Private Sub cmdRndSqr_Click()
shpAllShapes.Shape = 5
End Sub
Private Sub cmdSquare_Click()
shpAllShapes.Shape = 1
End Sub
Private Sub hsbWidth_Change()
shpAllShapes.BorderWidth = hsbWidth.Value
End Sub
Private Sub hsbWidth_Scroll()
shpAllShapes.BorderWidth = hsbWidth.Value
End Sub
```

