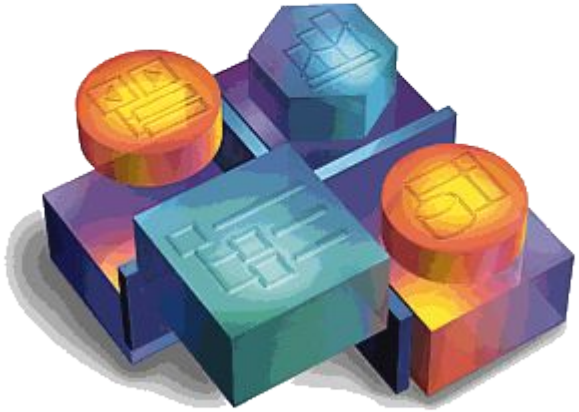
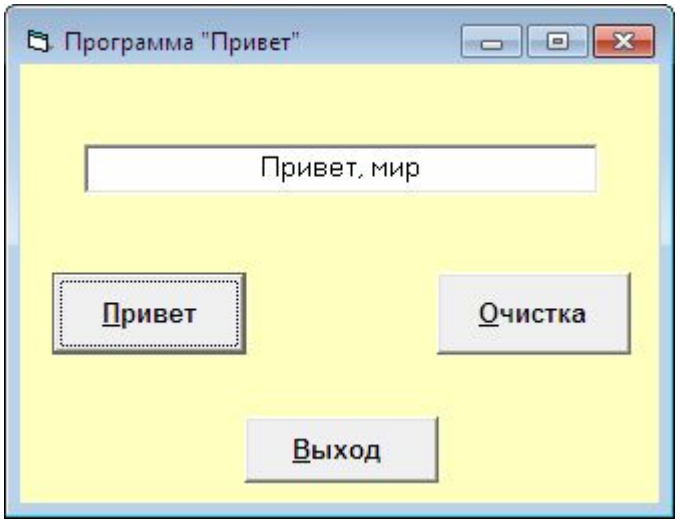


ПРОГРАММИРОВАНИЕ НА VB

Сборник примеров программ

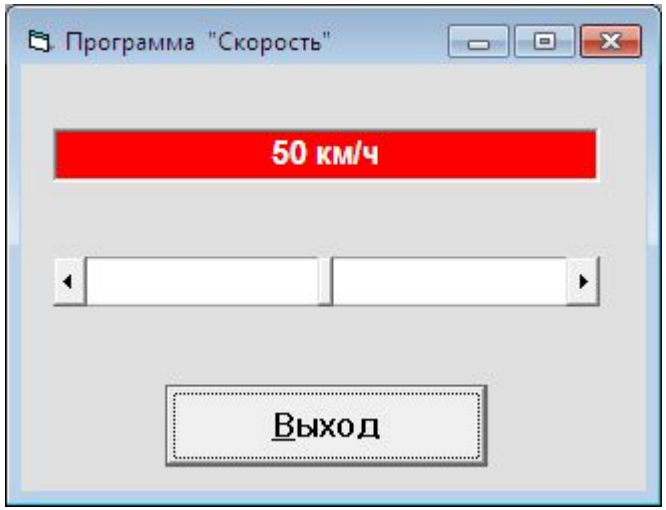
Программа «Привет»

```
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»

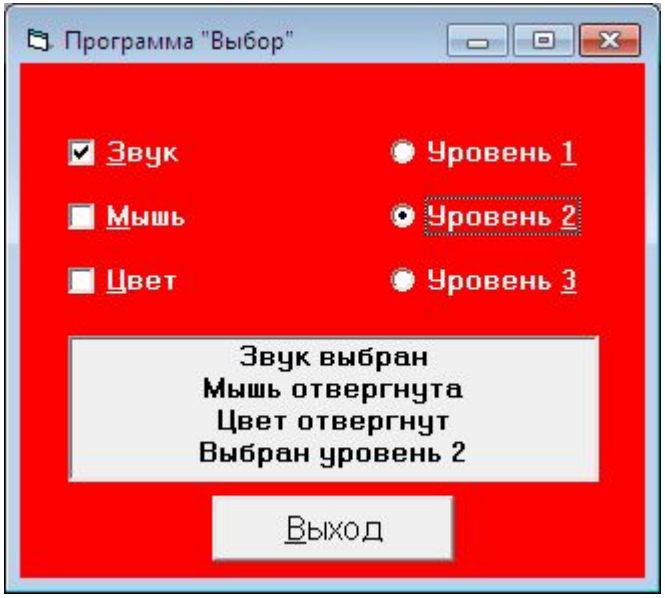
```
Private Sub hsbSpeed_Change()
txtSpeed.Text =
    Str(hsbSpeed.Value) + "км/ч"
End Sub

Private Sub hsbSpeed_Scroll()
hsbSpeed_Change
End Sub

Private Sub cmdExit_Click()
End
End Sub
```



Программа «Выбор»

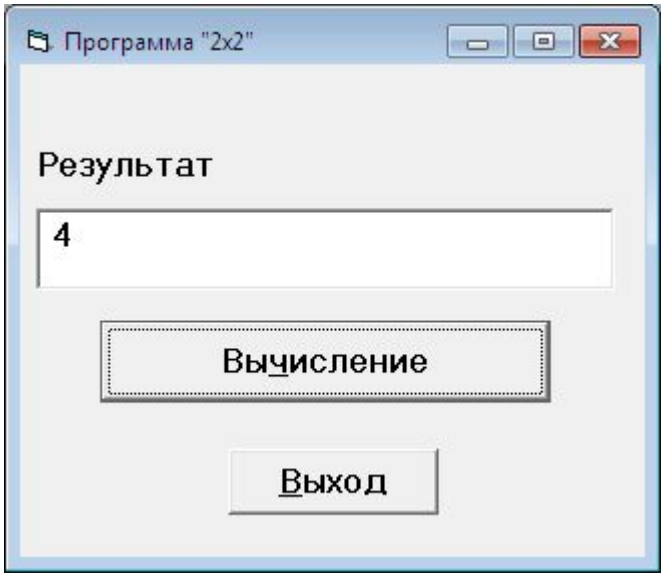
```
Option Explicit

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
```



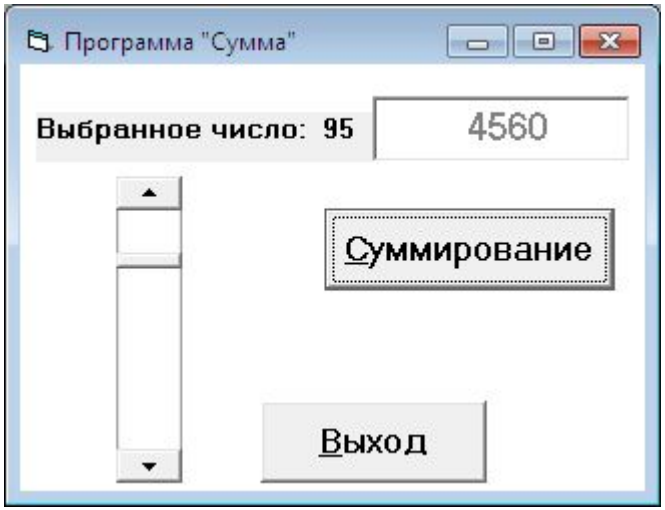
Программа «2x2»

```
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
```



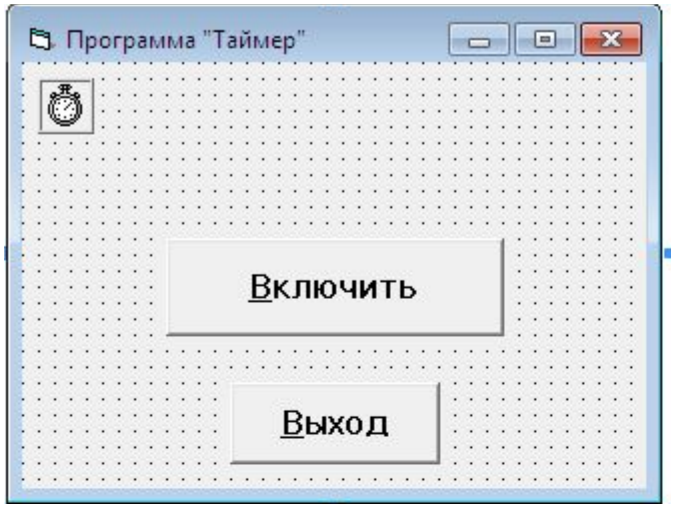
Программа «Сумма»

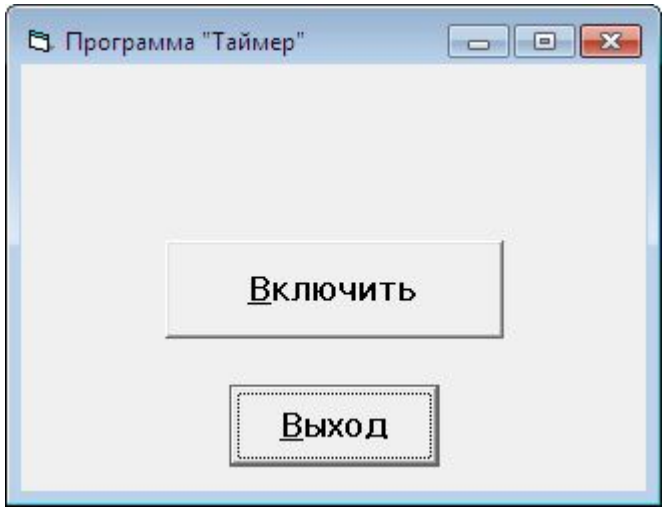
```
Option Explicit
Private Sub cmdExit_Click()
End
End Sub
Private Sub cmdSumIt_Click()
Dim I
Dim R
For I = 1 To vsbNum.Value Step 1
R = R + I
Next
txtResult.Text = Str(R)
End Sub
Private Sub vsbNum_Change()
lblNum = "Выбранное число: " +
      Str(vsbNum.Value)
End Sub
Private Sub vsbNum_Scroll()
vsbNum_Change
End Sub
```



Программа «Таймер»

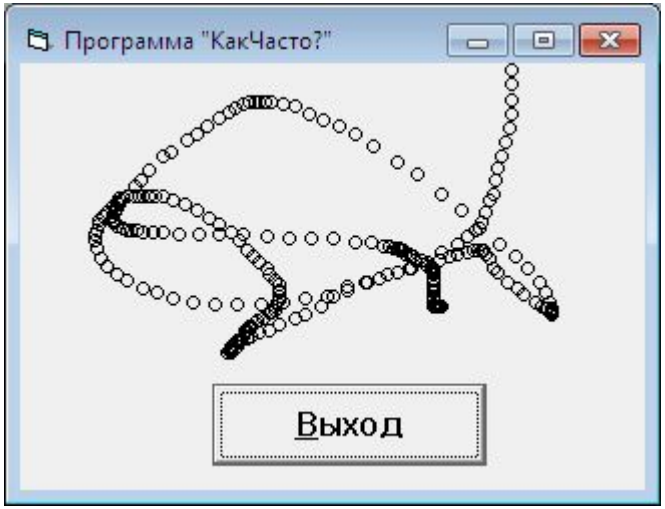
```
Option Explicit
Dim gKeepTrack
Private Sub cmdEnableDisable_Click()
        If gKeepTrack = 1 Then
                gKeepTrack = 0
        cmdEnableDisable.Caption = "Включить"
        Else
                gKeepTrack = 1
        cmdEnableDisable.Caption =
      "Выключить"
        End If
End Sub
Private Sub tmrTimer_Timer()
        If gKeepTrack = 1 Then
                Beep
        End If
End Sub
Private Sub cmdExit_Click()
End
End Sub
```





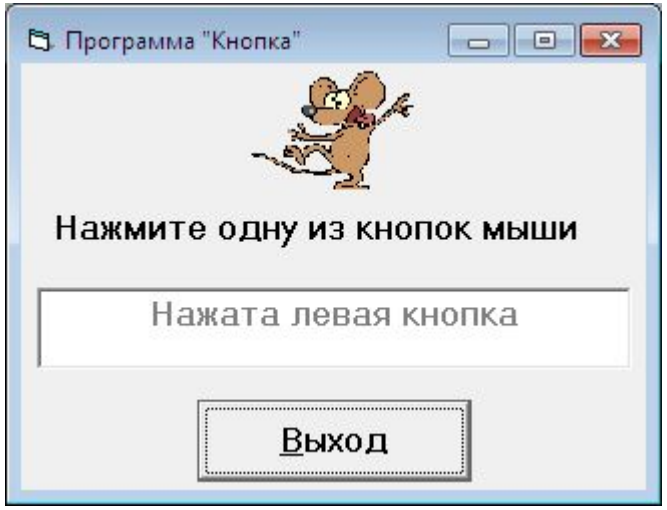
Программа «Как часто?»

```
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
```



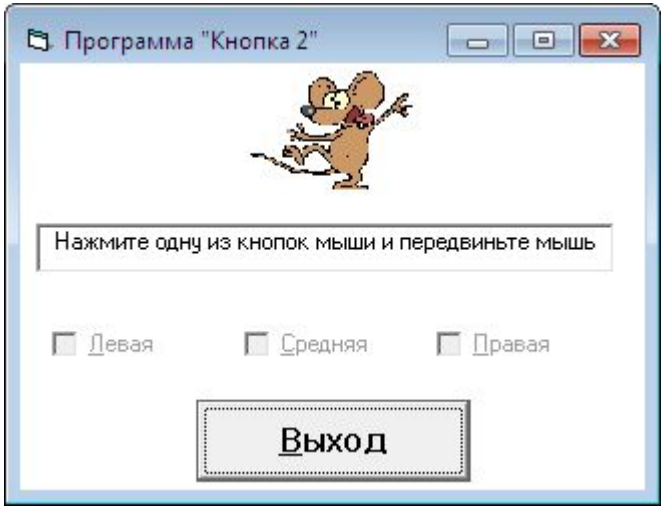
Прграмма"Кнопка"

```
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»

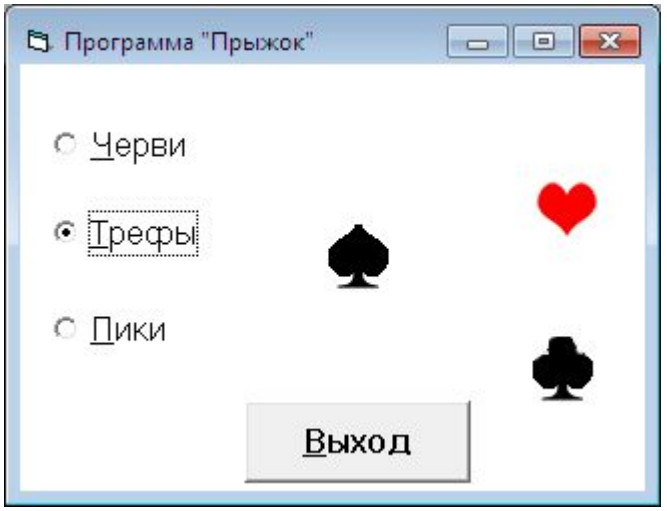
```
Option Explicit
Private Sub Form_MouseMove(Button As Integer, Shift As Integer, X As Single, Y As Single)
        If (Button And 1) = 1 Then
                chkLeft.Value = 1
        Else
                chkLeft.Value = 0
        End If
                If (Button And 2) = 2 Then
                chkRight.Value = 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
```

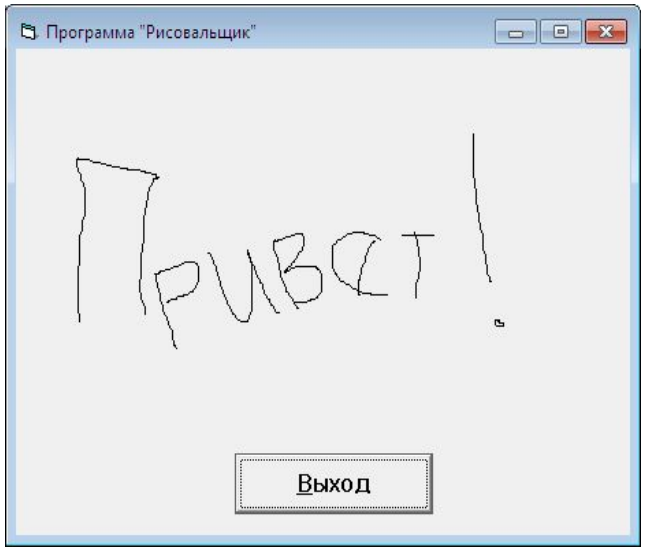
Программа «Прыжок»

```
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
```



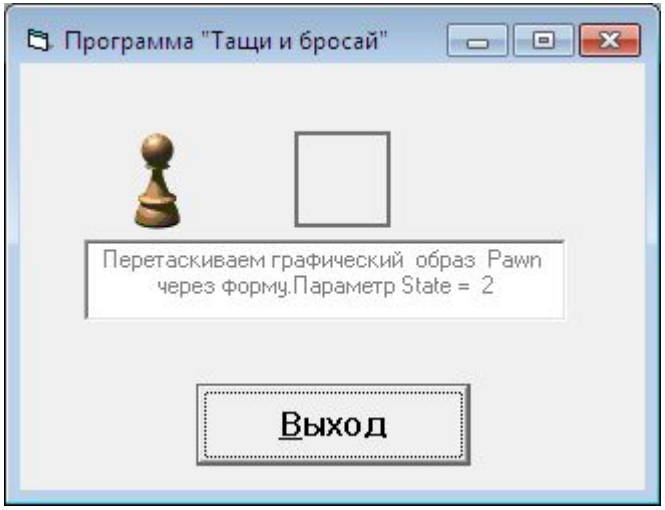
Программа «Рисовальщик»

```
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
```



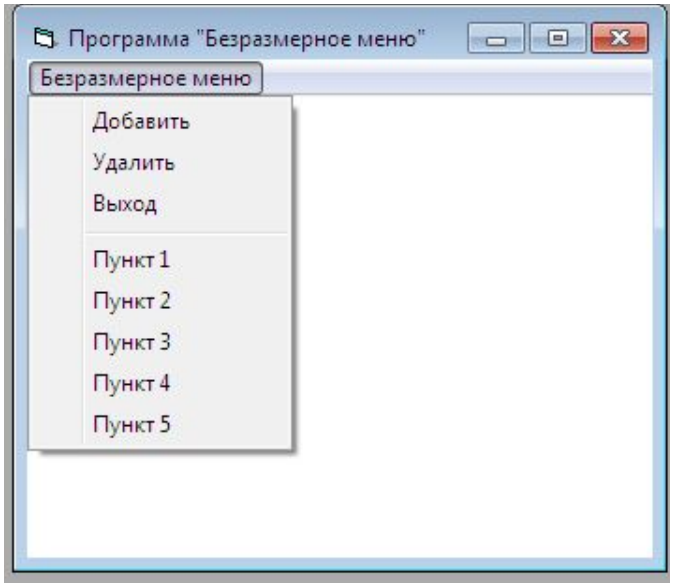
Программа «Тащи-бросай»

```
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
```



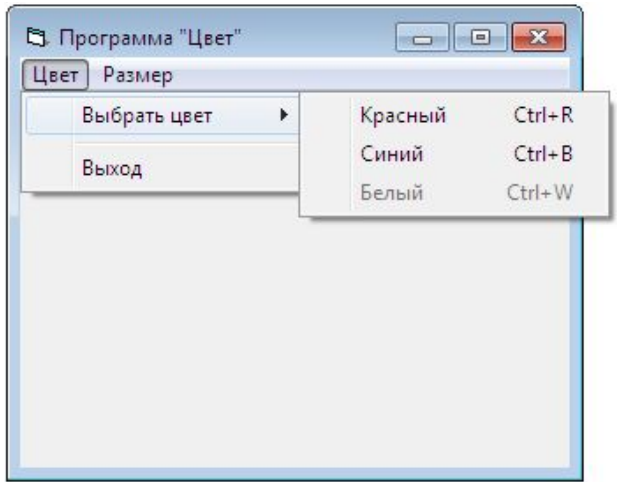
Программа «Безразмерное меню»

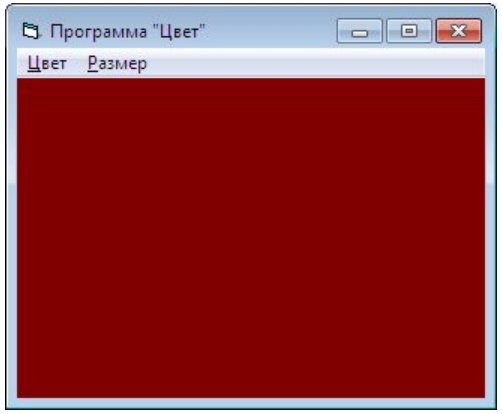
```
Option Explicit
Dim gLastElement As Integer
Private Sub Form_Load()
gLastElement = 0
        mnuRemove.Enabled = False
End Sub
Private Sub mnuAdd_Click()
gLastElement = gLastElement + 1
        Load mnuItems(gLastElement)
        mnuItems(gLastElement).Caption = "Пункт" +
      Str(gLastElement)
        mnuRemove.Enabled = True
End Sub
Private Sub mnuItems_Click(Index As Integer)
        MsgBox "Вы выбрали пункт " + Str(Index)
End Sub
Private Sub mnuRemove_Click()
        Unload mnuItems(gLastElement)
gLastElement = gLastElement - 1
        If gLastElement = 0 Then
                mnuRemove.Enabled = False
        End If
End Sub
```



Программа «Цвет»

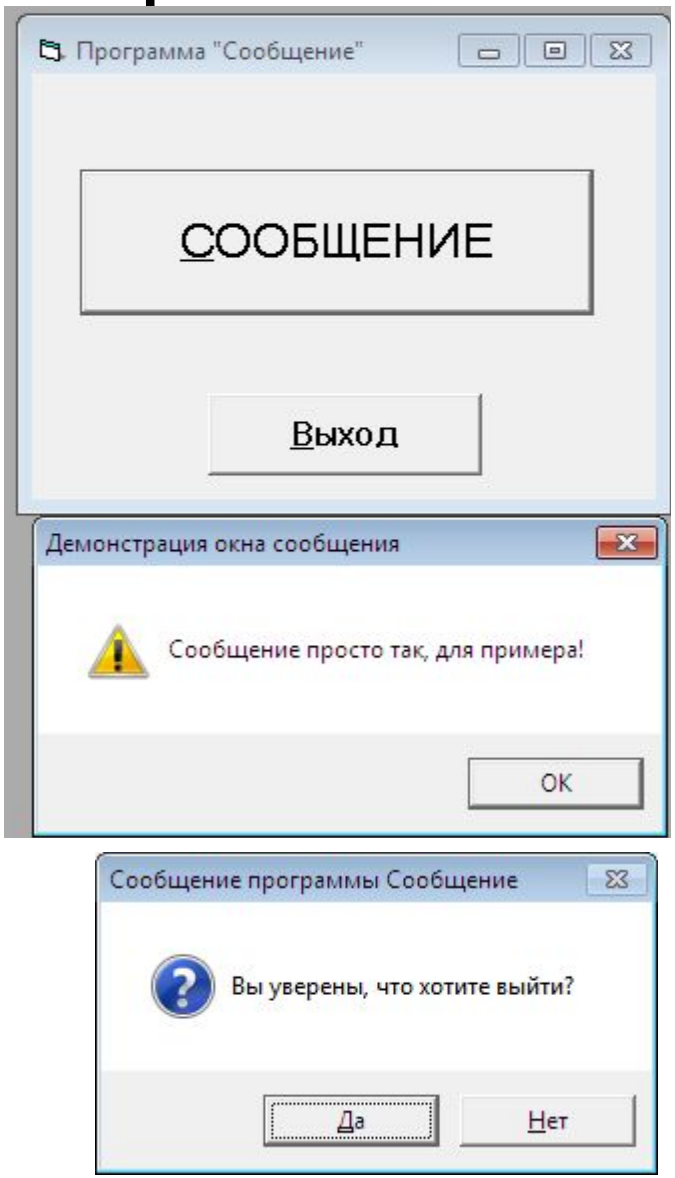
```
Option Explicit

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
```





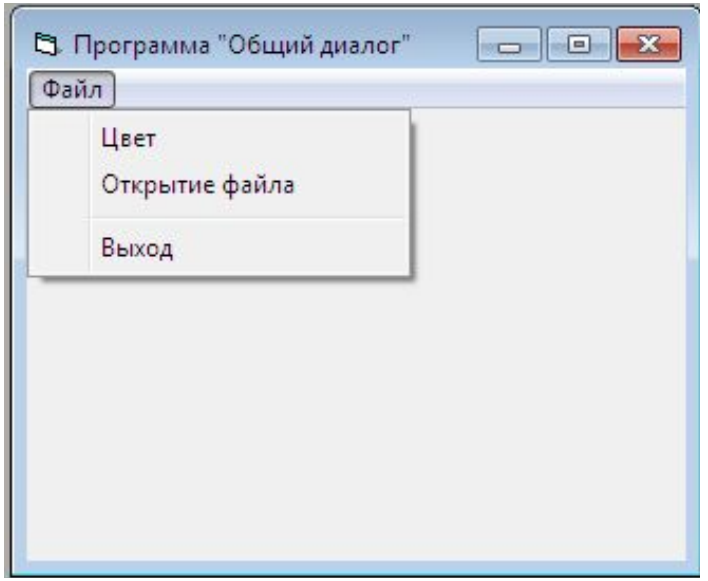
Программа «Сообщение»

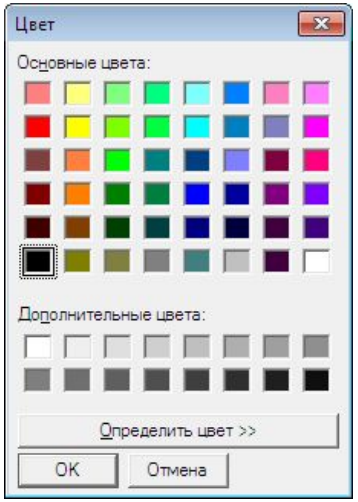
```
Option Explicit
Private Sub cmdExit_Click()
Dim Message As String
Dim ButtonsAndIcons As Integer
Dim Title As String
Dim Response As String
        Message = "Вы уверены, что хотите выйти?"
ButtonsAndIcons = vbYesNo + vbQuestion
Title = "Сообщение программы Сообщение"
        Response = MsgBox(Message, 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
```

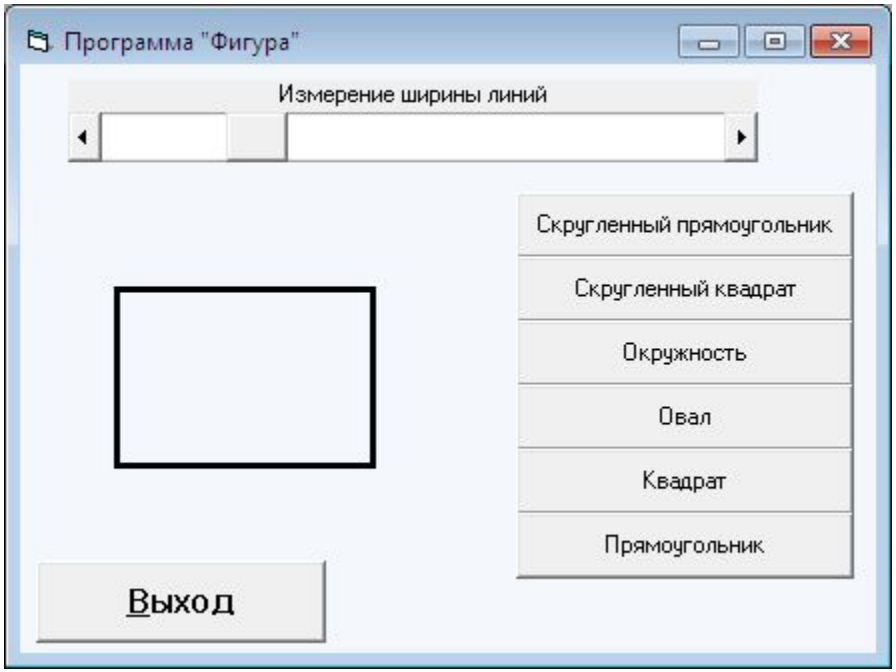


Программа «Общий диалог»

```
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
```





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
```