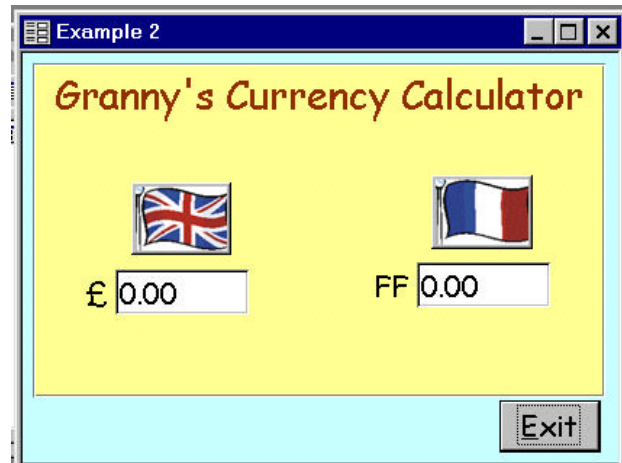


Example 2 - Currency Calculator

Wilma's affluent Grandmother is thinking of splashing out on a holiday on board an ocean-going liner. But uncertain whether she enjoys life at sea, she's booked a seat on a Dover-Calais booze-cruise. On hearing of her plans, Wilma spotted an opportunity to ingratiate herself. Knowing that Granny never travels without her laptop, Wilma asked you to design a currency calculator. She drew you a picture of the sort of thing required (see right) and mentioned, in passing, that Granny was very fond of Office 97.



Strategy

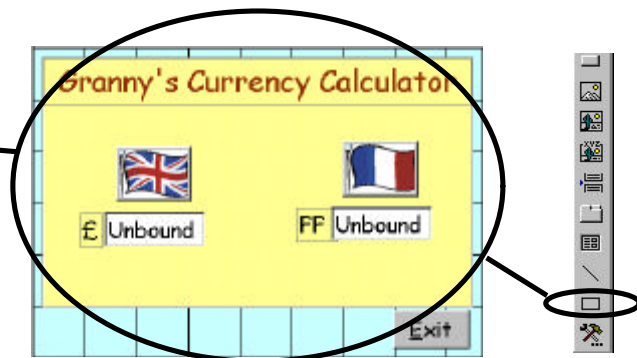
Use Access Basic to develop a Currency Calculator.

Stage 1

Create a new Access database with a single form. Populate the form with objects using the tool bar, and set each object's properties as shown in the tables below.

Rectangle

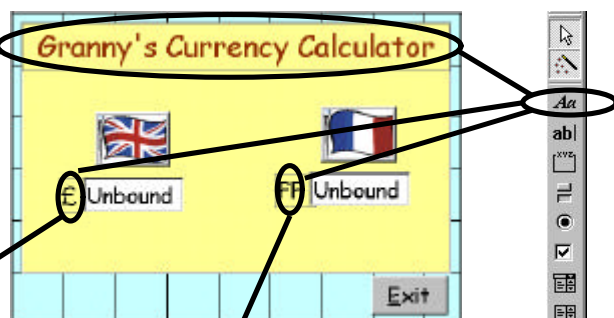
Name	box1
Back Style	Normal
Back Color	10092543
Special effect	Raised



Labels

Name	lblTitle
Caption	Granny's Currency..Calculator
Fore Color	13209
Font Name	Comic Sans MS
Font Size	14

Name	lblUK
Caption	£
Fore Color	0
Font Name	Comic Sans MS
Font Size	12

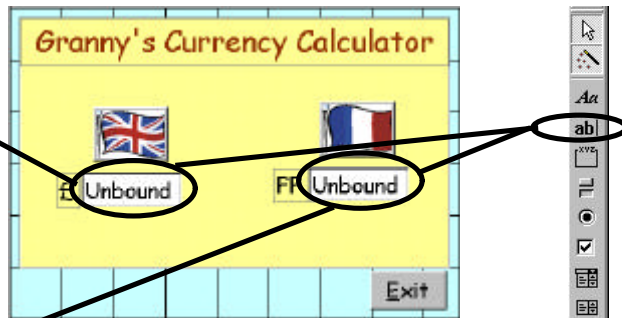


Name	lblFrance
Caption	FF
Fore Color	0
Font Name	Comic Sans MS
Font Size	12

Text Boxes

Name	tboxUK
Default Value	Format(0,"#,##0.00")
Control Source	
Font Name	Comic Sans MS
Font Size	14

Name	tboxFrance
Default Value	Format(0,"#,##0.00")
Control Source	
Font Name	Comic Sans MS
Font Size	14

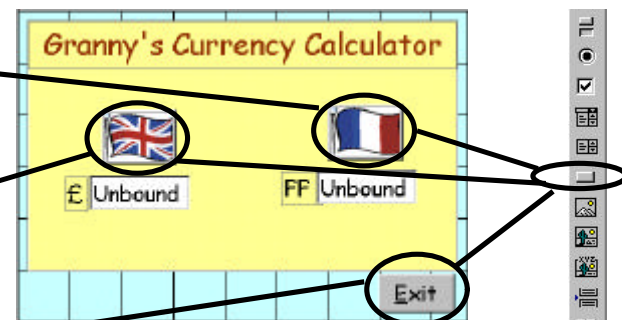


Command Buttons

Name	cmdFrance
Picture	N:\...\FRANCE.BMP

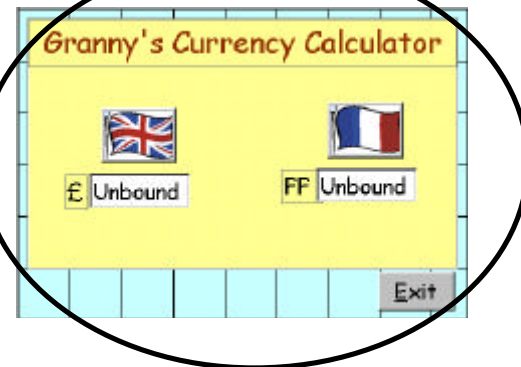
Name	cmdUK
Picture	N:\...\UK.BMP

Name	cmdExit
Caption	&Exit
Font Name	Comic Sans MS
Font Size	12



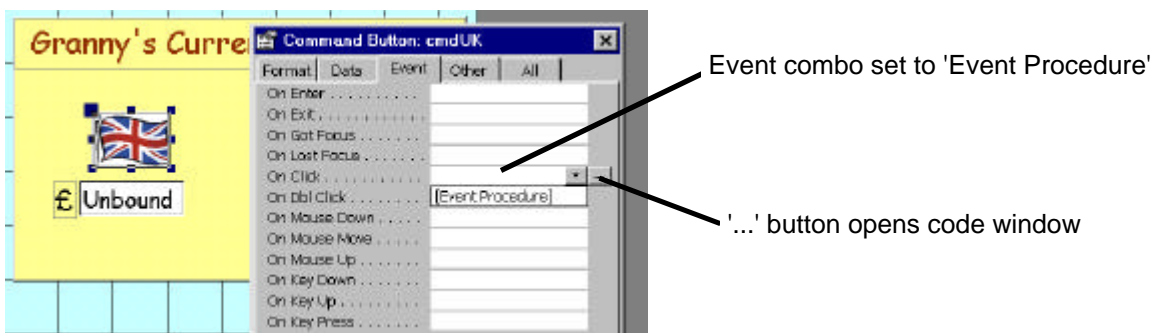
Form

Record Source	
Caption	Example 2
Scroll Bars	Neither
Record Selectors	No
Navigation Buttons	No
Auto Center	Yes
Pop Up	Yes
Border Style	Thin



Stage 2

Write appropriate event procedures. To do this, in design view select the object whose event you wish exploit. Access the object's 'Properties' table, and select the appropriate event box. Select [Event Procedure] from the combo box. Then select the '...' button which appears to the right of the combo. The code window should appear with the appropriate empty event procedure.



Use the 'On Click' event of the 'cmdUK' command button to convert £s into FFs.

```
Private Sub cmdUK_Click()

    'Convert pounds to FFs

    Dim pounds As Single      'Floating point variable to contain
                              'value of currency in £s

    With Me![tboxUK]
        .SetFocus            'Set focus on £s text box...
        pounds = .Text       '...and assign text to pounds variable
    End With

    With Me![tboxFrance]
        .SetFocus            'Set focus on FFs text box...
        .Text = Format(pounds * 10, "##,##0.00") '...and assign
                                                'equivalent FFs
                                                'to FF Text Box
    End With

End Sub
```

Use the 'On Click' event of the 'cmdFrance' command button to convert FFs into £s.

```
Private Sub cmdFrance_Click()

    'Convert FFs to pounds

    Dim FFs As Single        'Floating point variable to contain
                              'value of currency in FFs

    With Me![tboxFrance]
        .SetFocus            'Set focus on FFs text box...
        FFs = .Text         '...and assign text to FFs variable
    End With

    With Me![tboxUK]
        .SetFocus            'Set focus on £s text box...
        .Text = Format(FFs \ 10, "##,##0.00") '...and assign
                                                'equivalent £s
                                                'to £ Text Box
    End With

End Sub
```

Use the 'On Click' event of the 'cmdExit' to close the current form.

```
Private Sub cmdExit_Click()

    DoCmd.Close acForm, Me.Name    'Me refers to the current form

End Sub
```

Use the 'On Open' event of current form to make the window size fit the form neatly.

```
Private Sub Form_Open(Cancel As Integer)

    Me.InsideHeight = Me.Detail.Height
    Me.InsideWidth = Me.Width

End Sub
```

Stage 3

Check that your program works properly.

Extension 1

Add another text box and modify your code to allow Granny to keep abreast of currency fluctuations.

Extension 2

Handle errors which would be caused by granny's typing errors.