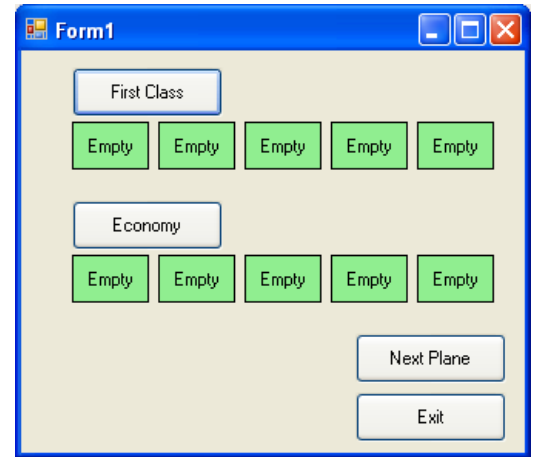


Airline Reservation Program

Names of objects on the form:

btnFirstClass	lblSeat1	lblSeat6
btnEconomy	lblSeat2	lblSeat7
btnNextPlane	lblSeat3	lblSeat8
btnExit	lblSeat4	lblSeat9
	lblSeat5	lblSeat10



```
Public Class Form1
```

```
    Dim seats() As Boolean
    Dim firstClassCount As Integer ' also next available seat index
    Dim economyCount As Integer   ' also next available seat index
    Dim seatIndicator() As Label  ' references to labels
```

```
Private Sub Form1_Load(ByVal sender As System.Object, _
    ByVal e As System.EventArgs) Handles MyBase.Load
    seats = New Boolean(9) {}
    seatIndicator = New Label(9) {} ' array of seat references
    seatIndicator(0) = lblSeat1    ' load the array of references
    seatIndicator(1) = lblSeat2    ' to seat indicators
    seatIndicator(2) = lblSeat3
    seatIndicator(3) = lblSeat4
    seatIndicator(4) = lblSeat5
    seatIndicator(5) = lblSeat6
    seatIndicator(6) = lblSeat7
    seatIndicator(7) = lblSeat8
    seatIndicator(8) = lblSeat9
    seatIndicator(9) = lblSeat10
```

```
    clearSeats()
End Sub
```

```
Private Sub clearSeats()
    For Each position In seats
        position = False
    Next
    For Each position In seatIndicator
        position.Text = "Empty"
        position.BackColor = Color.LightGreen
    Next
    firstClassCount = 0
    economyCount = 0
End Sub
```

```
Private Sub btnNextPlane_Click(ByVal sender As System.Object, _
    ByVal e As System.EventArgs) Handles btnNextPlane.Click
    clearSeats()
End Sub
```

```

Private Sub btnFirstClass_Click(ByVal sender As System.Object, _
    ByVal e As System.EventArgs) Handles btnFirstClass.Click
    Dim answer As DialogResult
    If firstClassCount >= 5 Then ' no more first class seats
        If economyCount < 5 Then ' still economy seats left
            answer = MessageBox.Show( _
                "Do you want to change to Economy", _
                "First Class is Full", _
                MessageBoxButtons.YesNo, _
                MessageBoxIcon.Question, _
                MessageBoxDefaultButton.Button1)
            If answer = Windows.Forms.DialogResult.Yes Then
                selectEconomySeat()
            ElseIf answer = Windows.Forms.DialogResult.No Then
                MessageBox.Show( _
                    "Next flight leaves in three hours", _
                    "Sorry the plane is full")
            End If
        Else
            MessageBox.Show( _
                "Next flight leaves in three hours", _
                "Sorry the plane is full")
        End If
    Else
        selectFirstClassSeat()
    End If
End Sub

```

```

Private Sub btnEconomy_Click(ByVal sender As System.Object, _
    ByVal e As System.EventArgs) Handles btnEconomy.Click
    Dim answer As DialogResult
    If economyCount >= 5 Then ' no more economy class seats
        If firstClassCount < 5 Then ' still first class seats left
            answer = MessageBox.Show( _
                "Do you want to change to First Class", _
                "Economy is Full", _
                MessageBoxButtons.YesNo, _
                MessageBoxIcon.Question, _
                MessageBoxDefaultButton.Button1)
            If answer = Windows.Forms.DialogResult.Yes Then
                selectFirstClassSeat()
            ElseIf answer = Windows.Forms.DialogResult.No Then
                MessageBox.Show( _
                    "Next flight leaves in three hours", _
                    "Sorry the plane is full")
            End If
        Else
            MessageBox.Show("Next flight leaves in three hours", _
                "Sorry the plane is full")
        End If
    Else
        selectEconomySeat()
    End If

```

```
End If  
End Sub
```

```
Private Sub selectFirstClassSeat()  
    seats(firstClassCount) = True  
    seatIndicator(firstClassCount).Text = "Full"  
    seatIndicator(firstClassCount).BackColor = Color.Pink  
    firstClassCount += 1          ' one less seat  
End Sub
```

```
Private Sub selectEconomySeat()  
    seats(economyCount + 5) = True ' economy start at seat # 5  
    seatIndicator(economyCount + 5).Text = "Full"  
    seatIndicator(economyCount + 5).BackColor = Color.Pink  
    economyCount += 1           ' one less seat  
End Sub
```

```
Private Sub btnExit_Click(ByVal sender As System.Object, _  
    ByVal e As System.EventArgs) Handles btnExit.Click  
    Me.Close()  
End Sub  
End Class
```