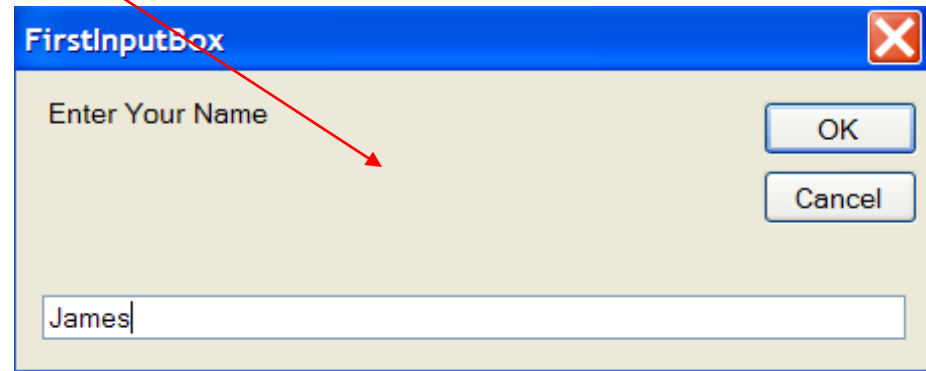


The InputBox

The InputBox looks a bit like a message box except instead of just displaying information, it prompts the user to enter information.

The information that the user enters is then assigned to a variable.

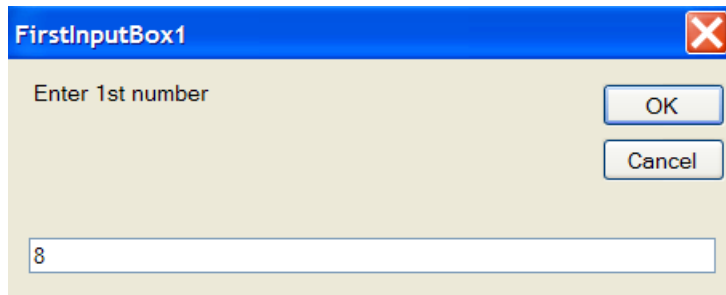
```
Private Sub btnCallInput_Click(ByVal sender  
    Dim name As String  
    name = InputBox("Enter Your Name")  
    MsgBox("Welcome " & name)  
End Sub
```



Using InputBox for Calculations

By using the `Val()` method to convert text input we can use the `InputBox` to prompt users for numeric input.

```
Private Sub btnCallInput_Click(ByVal sender  
    Dim num1 As Integer  
    Dim num2 As Integer  
    Dim answer As Integer  
    num1 = Val(InputBox("Enter 1st number"))  
    num2 = Val(InputBox("Enter 2nd number"))  
    answer = num1 + num2  
    MsgBox("The sum is " & answer)  
End Sub
```



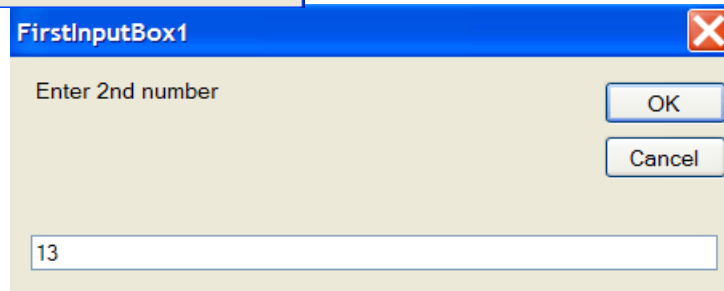
FirstInputBox1

Enter 1st number

OK

Cancel

8



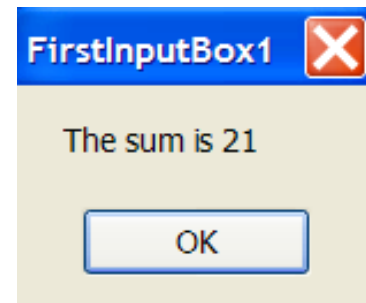
FirstInputBox1

Enter 2nd number

OK

Cancel

13



FirstInputBox1

The sum is 21

OK

Assign InputBoxes to Variables

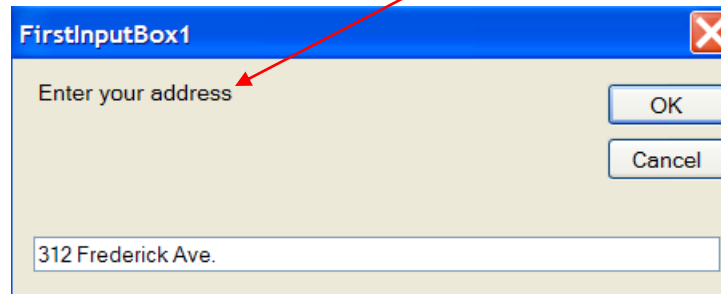
User enters information but there is no variable to hold it. Information is lost

```
InputBox("Enter your address")
```

```
address = InputBox("Enter your address")
```

Information entered by user gets stored in variable

Text in brackets gets entered as prompt for InputBox



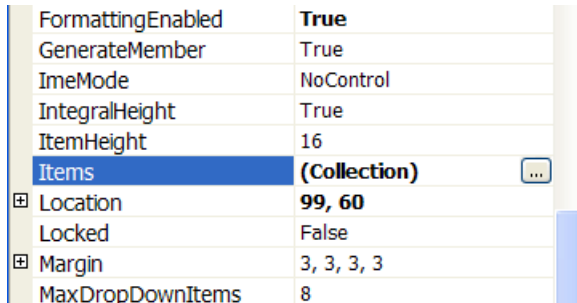
ComboBoxes

There will often be instances in which a programmer wishes to direct or limit the choices a user has.

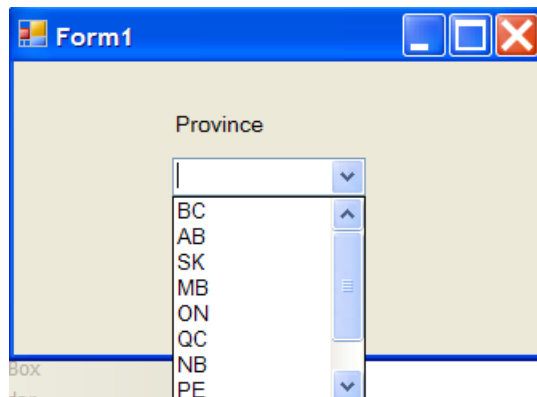
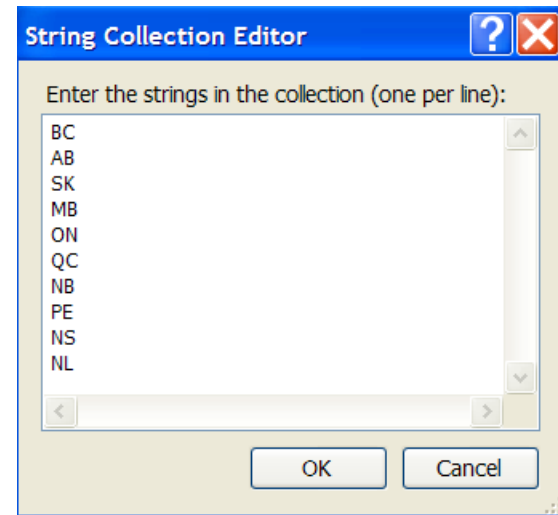
For example, if a user is to choose a province in an address form, using a ComboBox with predefined choices will not only reduce the chance of the user from entering a non-existent province but it will also format the province using the correct abbreviation.

Creating the ComboBox List

After drawing a ComboBox on the form click on the ellipsis on the items property.



Enter the list of items you wish to display



These items will then turn up in the ComboBox when the program is run.

Choose Your Favorite Sport

Create a program that prompts the user to choose their favorite sport and then display the information in a message box.

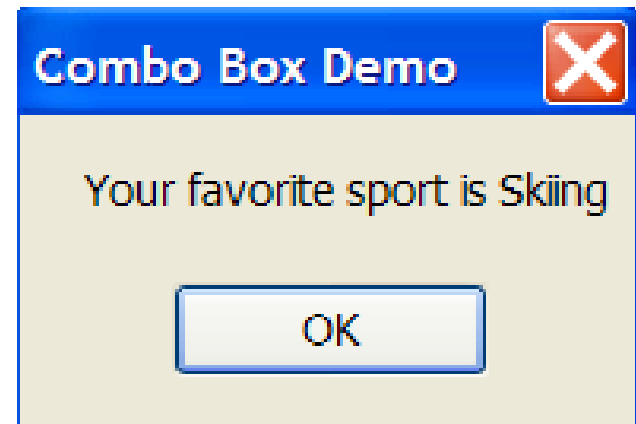
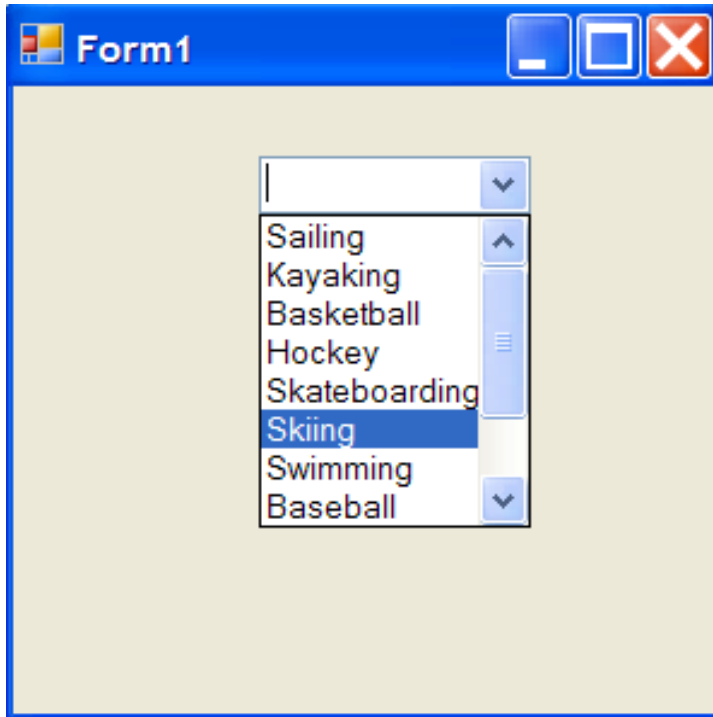
```
Private Sub cboSport_SelectedIndexChanged(ByVal  
    Dim sport As String  
    sport = cboSport.Text  
    MsgBox("Your favorite sport is " & sport)  
End Sub
```

String variable 'sport' is assigned the value of whatever sport is chosen in the combo box.

Program responds to a change in the text that is selected in the combo box.

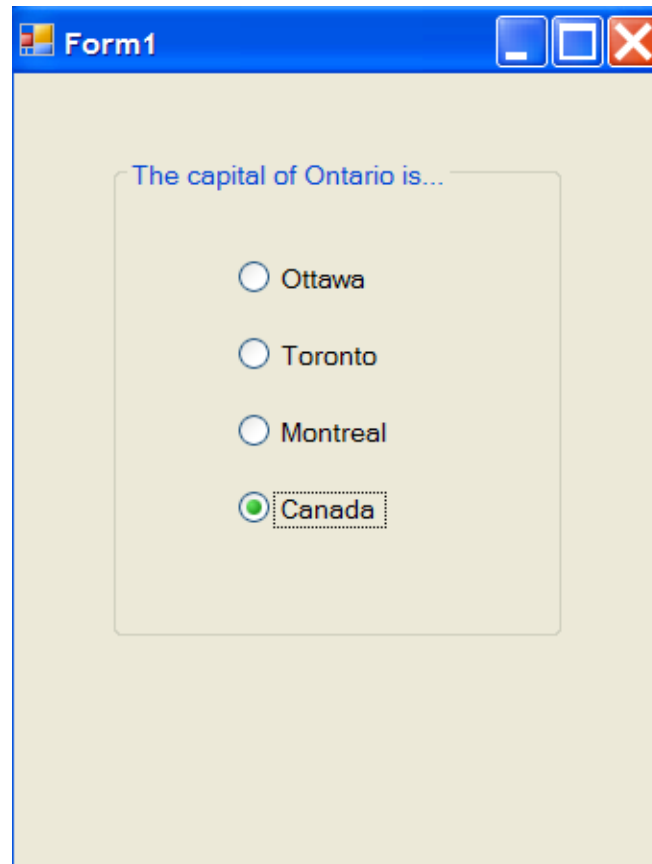
Prefix for ComboBoxes is cbo

ComboBox in Action



Group Boxes and Radio Buttons

Radio Buttons are generally used when one choice among a group is required. These groups of radio buttons are contained in a group box. Only one radio button within a group box can be checked at a time. If another radio button is clicked, the previously chosen radio button becomes un-clicked.



Listbox

Tutorial

The screenshot shows a Windows Form titled "Form1" with a light beige background. It contains three main components: a list box at the top left with five items: "Peterborough", "Lakefield", "Apsley" (which is selected and highlighted in blue), "Douro", and "Ennismore"; a button labeled "Choose Your Town" located below the list box; and a text box at the bottom left containing the text "Apsley". Three red arrows point from labels on the right to these components: "lstTown" points to the list box, "btnTown" points to the button, and "txtTown" points to the text box.

lstTown

btnTown

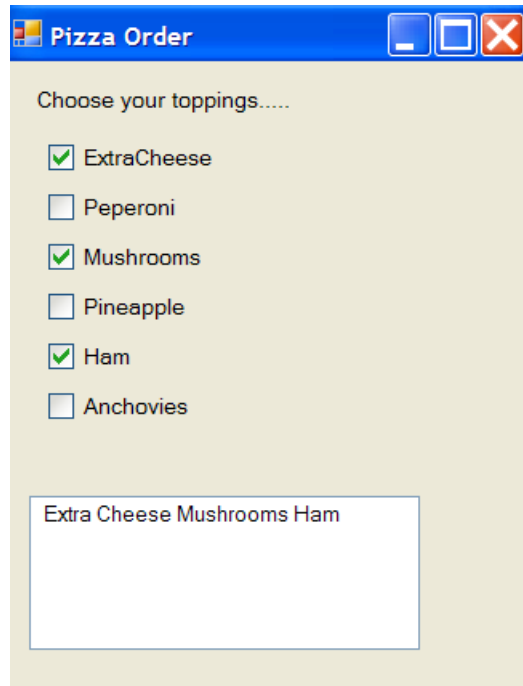
txtTown

```
Private Sub btnTown_Click(ByVal sender As System.Object  
    txtTown.Text = lstTown.SelectedItem  
End Sub
```

The CheckBox

CheckBoxes are those controls which gives us an option to select, say, Yes/No or True/False. A checkbox is clicked to select and clicked again to deselect some option. When a checkbox is selected a check (a tick mark) appears indicating a selection.

Pizza Toppings



Pizza Order

Choose your toppings.....

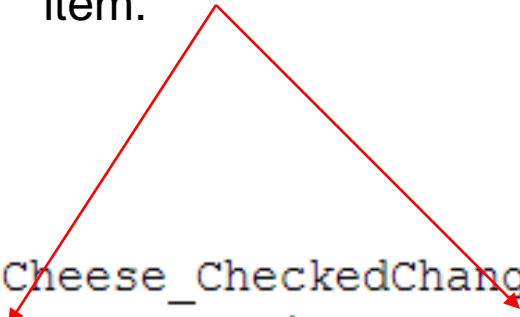
- ExtraCheese
- Peperoni
- Mushrooms
- Pineapple
- Ham
- Anchovies

Extra Cheese Mushrooms Ham

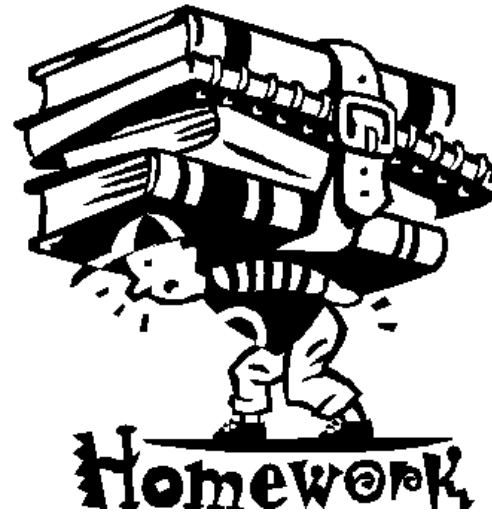
We want to add an item to a text box not replace the old items with new items.

To do this we code the text box as being equal to what is already in the text box plus the new item.

```
Private Sub chkExtraCheese_CheckedChanged(ByVal sender As  
    txtToppings.Text = txtToppings.Text & " Extra Cheese"  
End Sub
```



Complete Pizza Order



Create an entire Pizza Order form using the various controls.

InputBoxes, ListBox, ComboBox, RadioButton, CheckBox

Be sure to get the clients name, address, time of order, pizza size and toppings.

Use a radio button within a group box to indicate whether the order is for pick-up or delivery.