1.3 The following program converts a real temperature obtained from the input data from Fahrenheit to Celsius. The conversion formulas are

Celsius = $\frac{5}{9}(\text{Fahrenheit} - 32)$

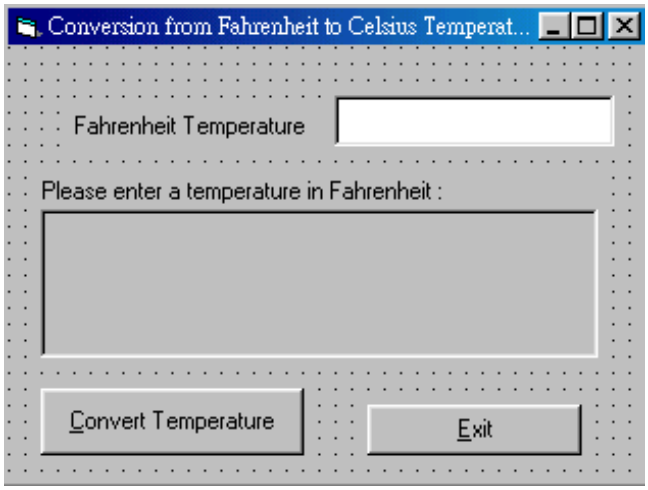
Fahrenheit = $\frac{9}{5}\text{Celsius} + 32$

Step 1: *Create a form with two command buttons, two labels, one text box and one picture box according to the properties table below*

Properties Table

Object	Property	Setting
Form	Name Caption	frmTemperature Conversion from Fahrenheit to Celsius temperature
Command Button	Name Caption	cmdConvert &Convert Temperature
Command Button	Name Caption	cmdExit &Exit
Label	Name Caption	lblTemp Fahrenheit Temperature
Label	Name Caption	lblMessage Please enter a temperature in Fahrenheit :
Text Box	Name Caption	txtFahrenheit (empty)
Picture Box	Name Caption	picOutput (empty)

Layout



Step 2 : *Add codes for the events*
cmdConvert_Click()
cmdExit

Codes for **cmdConvert**

```
Private Sub cmdConvert_Click()
    Dim Celsius As Single, Fahrenheit As Single
    Factor1 = 32
    Conversion_factor = 5 / 9

    picOutput.Cls
    Fahrenheit = Val(txtFahrenheit.Text)
    Celsius = Conversion_factor * (Fahrenheit - Factor1)
    picOutput.Print "For a Fahrenheit temperature "; Fahrenheit
    picOutput.Print "The equivalent Celsius temperature is "; Celsius

End Sub
```

Codes for **cmdExit**

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

Step 3 : *Execution*

Click the **txtTemperature** text box and type *98*
Click the **Convert Temperature** command button
Try other values for Fahrenheit temperature
Terminate the program by clicking the **Exit** button

Task: ***Try to modify the program to converts a Celsius temperature to a Fahrenheit temperature.***