

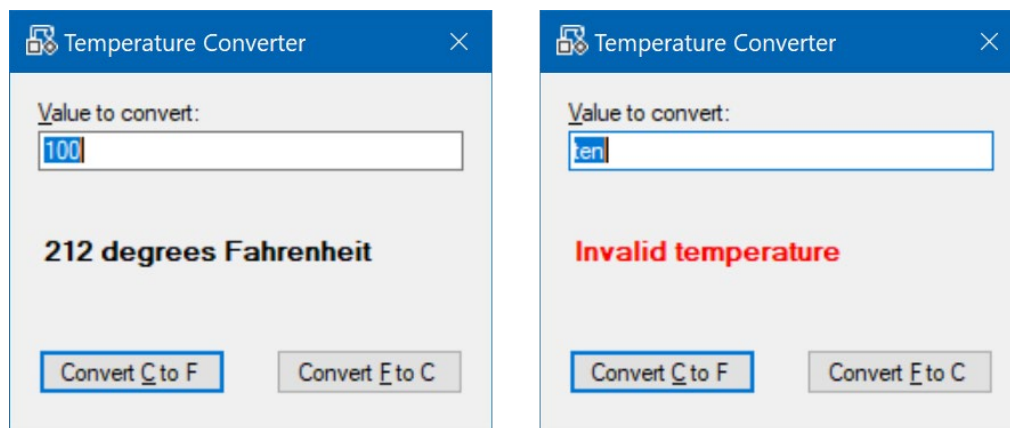
# Lab Seven Instructions

## Objective

The purpose of this exercise is to create a Windows Forms .NET Framework project that uses the controls: Form, Label, TextBox and Button, and to write some event handler code.

## Details

This program is a very simple temperature converter but as you will see, it uses many GUI design techniques that were introduced in today's lecture.



1. Study the screenshot and notice the following aspects:
  - form size and the form's startup position (Center Screen)
  - spacing between controls (can you make yours look *exactly like* the sample?)
  - the form cannot be resized (FormBorderStyle property), Minimized (MinimizeBox property) or maximized (MaximizeBox property)
  - custom icon
  - default button (AcceptButton property of the form)
  - Mnemonics (accessor keys)
  - invalid input is reported to the user in red text
  - after displaying the result, the TextBox receives the input focus and its value is selected (use both the Select and SelectAll methods of the TextBox)
2. Create a new Windows Forms .NET Framework project and see how closely you can emulate the sample screenshot.

Name your project **COMP3602Lab07**.

For your reference, here are the temperature conversion formulae:

```
fahrenheit = celsius x 1.8 + 32
```

```
celsius = (fahrenheit - 32) / 1.8
```

 the brackets are important here

The sample screenshot shows the result with no more than one decimal place and zero decimal places when the result is a whole number. Can you make yours do the same?

Please Hand In:

- 1) Zip your entire project and submit the zipped file to Lab07 in the Learning Hub.
- 2) Lab is due on the day before next week's class @ 11:59 PM.
- 3) Lab solution code will be available under Week07\In Class once you have submitted.