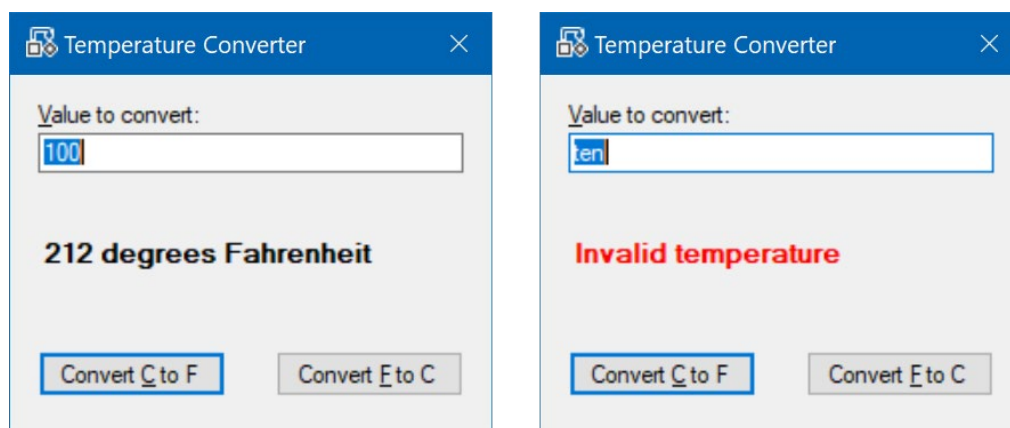# Lab Seven Instructions

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.