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CITA 210

Assignment 3 Part 1 Screenshots

This is the output for converting 68 degrees to Celsius.

A screenshot of a Windows application window titled "Form1". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main content area has a light gray background. At the top, there is a text label that says "Enter a number and I will convert it to Fahrenheit or Celsius". Below this label is a text input box containing the number "68". Underneath the input box is a larger rectangular box displaying the result "20". Below the result box are four buttons arranged in a 2x2 grid. The top-left button is labeled "Convert to Fahrenheit", the top-right button is labeled "Convert to Celsius" and is highlighted with a blue border and a mouse cursor pointing at it, the bottom-left button is labeled "Clear", and the bottom-right button is labeled "Exit".

This is the output when converting 15 degrees to Fahrenheit.

A screenshot of a Windows application window titled "Form1". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main content area has a light gray background. At the top, there is a text label that says "Enter a number and I will convert it to Fahrenheit or Celsius". Below this label is a text input box containing the number "15". Underneath the input box is a larger rectangular box displaying the result "59". Below the result box are four buttons arranged in a 2x2 grid. The top-left button is labeled "Convert to Fahrenheit" and is highlighted with a blue border and a mouse cursor pointing at it, the top-right button is labeled "Convert to Celsius", the bottom-left button is labeled "Clear", and the bottom-right button is labeled "Exit".

```
4 using System.Data;
5 using System.Drawing;
6 using System.Linq;
7 using System.Text;
8 using System.Threading.Tasks;
9 using System.Windows.Forms;
10
11 namespace Assignment_3
12 {
13     3 references
14     public partial class Form1 : Form
15     {
16         1 reference
17         public Form1()
18         {
19             InitializeComponent();
20
21         1 reference
22         private void FahrenheitButton_Click(object sender, EventArgs e)
23         {
24             float num = float.Parse(temperatureTextBox.Text);
25             float fahrenheit = (num * 9 / 5) + 32;
26
27             temperatureLabel.Text = fahrenheit.ToString();
28
29         1 reference
30         private void CelsiusButton_Click(object sender, EventArgs e)
31         {
32             float num = float.Parse(temperatureTextBox.Text);
33             float celcius = (num - 32) * 5 / 9;
34
35             temperatureLabel.Text = celcius.ToString();
36
37         1 reference
38         private void ClearButton_Click(object sender, EventArgs e)
39         {
40             temperatureLabel.Text = "Answer will appear here!";
41             temperatureTextBox.Text = "";
42
43         1 reference
44         private void ExitButton_Click(object sender, EventArgs e)
45         {
46             this.Close();
47         }
48     }
49 }
```