

## **Unit 10: Variables and Constants**

### **Project 1:**

Create an application that will convert temperature from Fahrenheit to Celsius. Your application should ask the user to input a temperature in Fahrenheit and then display the temperature converted to Celsius. Use the formula  $C = \frac{5}{9}(F - 32)$  to convert from Fahrenheit to Celsius. Hint: Make sure you remember the order of operations rules when using the formula.

Test the program with values 212, 32, 98.6 and -40.

**Save** your project as **vbpUnit10\_CelsiusConverter**.

### **Project 2:**

Create an application that students can use to find the location of five different universities or colleges.

Use option buttons to list five universities or colleges. When an option button is selected, the city and province where the corresponding university or college is located should be displayed in a label.

**Save** your project as **vbpUnit10\_PostSecondaryInformation**.

**Remember to include a flowchart for each project with your submission (value 30%)**

**Flowcharts must be provided from now on in all the remaining projects.**