

Introduction to Java-01

In this assignment you will create a program that will convert a Celsius temperature to the Fahrenheit equivalent.

1. If you followed the instructions to setup your first project in NetBeans, you will have a file and a class already, if you do not, add a new Java file and write a new class called MAP103Lab1. Write the following code in your MAP103Lab1.java file.

```
import java.util.Scanner;

public class MAP103Lab1 {
    public static void main( String args[] ) {
        // Create a Scanner to obtain information from the command prompt
        Scanner input = new Scanner( System.in );

        // Create variables to hold information
        int number1 = 0;
        int number2 = 0;
        int result = 0;

        System.out.print( "Please enter the first number: " );
        number1 = input.nextInt();

        System.out.print( "Please enter the second number: " );
        number2 = input.nextInt();

        result = number1 + number2;

        System.out.printf( "The sum of the two numbers is: %d", result );

        input.close();
    }
}
```

2. Run the program and answer the following questions:
 - a) What happens when you enter 20 as the first number, and 12 as the second number?
 - b) What happens when you enter 33.33 as the first number, and 10 as the second number?
 - c) What happens when you enter 8 as the first number, and ABC as the second number?
3. Modify this program to accept a Celsius temperature value from the user, convert the Celsius value to Fahrenheit, and display the converted value to user.