

Week 2 Practice Problems

- #1. Write a program that simply prints "I am going to love this course" to the screen.
- #2. Write a program that defines two integers, one being the largest 3-digit number and one being the smallest 5-digit number. Then, print these two values, and their sum to the screen.
- #3. Write a program that calculates the final cost of a set of items. For example, if each item costs 1.43 and we need 9 of them. Then, print the final cost.

Cost? 1.43
How many? 9
Total cost is \$12.87.

First do it by “hard-coding” the numbers. Once you have that working, add the ability to ask the user to input the numbers.

- #4. Write a program that for a temperature in degrees Celsius, prints the equivalent temperature in degrees Fahrenheit (multiply C by 1.8, then add 32). For example:

Celsius temperature: **30**
Fahrenheit equivalent is: **86**

As with #3, first put the Celsius temperature in your program directly and get it working. Then add the functionality to prompt the user for the Celsius temperature.

- #5. Write a program to evaluate $y = 4x + 3$ for any float number the user may pick. Ask a user to input any x, and then evaluate y, and present the result to two decimal places. For example:

Input x: 3.69
The value of $y = 4x + 3$ is 17.76