

Philip Pesic

Week 3

September 4 2022

Week 3 Prog 1

Write a “Temperature Conversion” program.

Prompt the user to choose: 1) Centigrade to Fahrenheit, 2) Fahrenheit to centigrade.

Prompt the user for temp to convert.

Calculate new temp2. The calculation of the new temp2 depends on choice 1 or 2 above.

Print out temp2.

Be sure to use the C and F temp notation. (Hint: use decimal data types)

Use filename week3YourNameProg1Temp

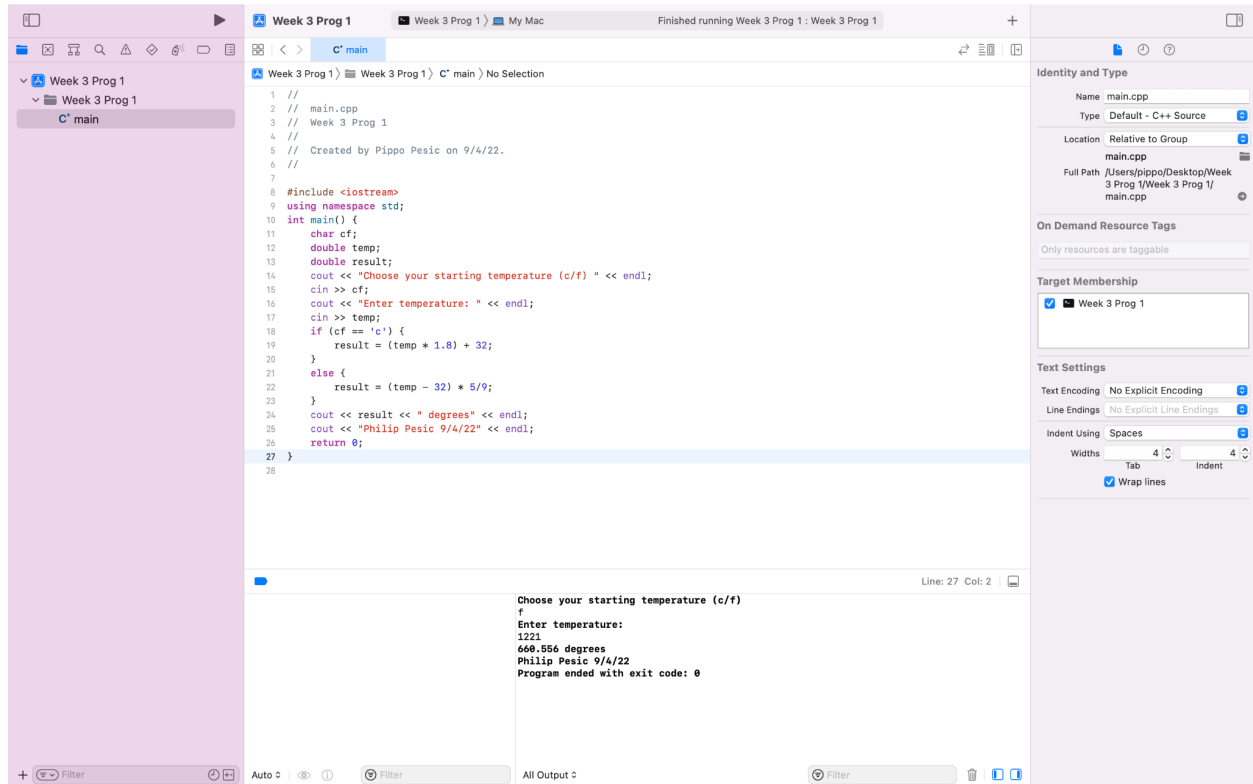
```
//  
// main.cpp  
// Week 3 Prog 1  
//  
// Created by Pippo Pesic on 9/4/22.  
//  
  
#include <iostream>  
using namespace std;  
int main() {  
    char cf;  
    double temp;  
    double result;  
    cout << "Choose your starting temperature (c/f) " << endl;  
    cin >> cf;  
    cout << "Enter temperature: " << endl;  
    cin >> temp;  
    if (cf == 'c') {  
        result = (temp * 1.8) + 32;  
    }  
    else {  
        result = (temp - 32) * 5/9;  
    }  
    cout << result << " degrees" << endl;  
    cout << "Philip Pesic 9/4/22" << endl;  
    return 0;  
}
```

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I practiced writing if/else statements