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;
  cout << "Enter temperature: " << endl;</pre>
  cin >> temp;
  if (cf == 'c') {
    result = (temp * 1.8) + 32;
  else {
    result = (temp - 32) * 5/9;
  cout << result << " degrees" << endl;</pre>
  cout << "Philip Pesic 9/4/22" << endl;
  return 0;
```

Philip Pesic

Week 3

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Week 3 Prog 1

```
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    ■ Week 3 Prog 1

    ■ Week 3 Prog 1 > ■ My Mac
    Finished running Week 3 Prog 1 : Week 3 Prog 1

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■ Week 3 Prog 1

 C* main
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Full Path /Users/pippo/Desktop/Week
3 Prog 1/Week 3 Prog 1/
main.cpp
                                                     Winclude <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;
    }
}
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                                                                                                                                                                                                             ✓ ■ Week 3 Prog 1
                                                         }
else {
                                                          eise {
    result = (temp - 32) * 5/9;
}
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                                                                                                                                                                                                             Text Encoding No Explicit Encoding
                                                           }
cout << result << " degrees" << endl;
cout << "Philip Pesic 9/4/22" << endl;
return 0;
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Widths 4 0
Tab Indent

✓ Wrap lines
                                                                                                                                                                                    Line: 27 Col: 2
                                                                                                    Choose your starting temperature (c/f)
                                                                                                    f
Enter temperature:
1221
666.556 degrees
Philip Pesic 9/4/22
Program ended with exit code: 0
+ (▼) Filter ② → Auto ≎ | ③ ③ ⑤ Filter All Output ≎
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```

I practiced writing if/else statements