CSE 8A Programming Assignment 1

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Code:

```
# Copy and paste ALL of your program's code (including comments!)
here
# Make sure to set the font to Courier
# Make sure the spacing here looks similar to the spacing in your
editor
temp = float(input("Enter a temperature in Fahrenheit: "))
def f_to_c(temp_input):
    c = (temp_input - 32) * (5/9) #formula for conversion
    return c

temp_in_c = f_to_c(temp)

print("Your Fahrenheit Temperature in Celsius is equal to:" , temp_in_c  )
```

Tests:
Include the complete interaction with your program for three different runs.

Test 1:

/usr/local/bin/python3.7 /Users/rands/PycharmProjects/Testing/lmao.py
Enter a temperature in Fahrenheit: 53
Your Fahrenheit Temperature in Celsius is equal to: 11.666666666666668

Process finished with exit code 0

Explanation: I chose 53 because it was a way to test if the code can handle double digits. It is correct because I used a Fahrenheit to Celsius converter provided by Google and it gave back out the same answer. This illustrates my programs functionality because the point of my program is to convert Fahrenheit to Celsius.

Test 2:

/usr/local/bin/python3.7 /Users/rands/PycharmProjects/Testing/lmao.py
Enter a temperature in Fahrenheit: 9.8
Your Fahrenheit Temperature in Celsius is equal to: -12.333333333333334

Process finished with exit code 0

Explanation: I chose 9.8 because it was a way to test if the code can handle decimals. It is correct because I used a Fahrenheit to Celsius converter provided by Google and it gave back out the same answer. This illustrates my programs functionality because the point of my program is to convert Fahrenheit to Celsius.

Test 3:

/usr/local/bin/python3.7 /Users/rands/PycharmProjects/Testing/lmao.py
Enter a temperature in Fahrenheit: 100
Your Fahrenheit Temperature in Celsius is equal to: 37.77777777777778

Process finished with exit code 0

Explanation: I chose 100 because it was a way to test if the code can handle triple digits. It is correct because I used a Fahrenheit to Celsius converter provided by Google and it gave back out the same answer. This illustrates my programs functionality because the point of my program is to convert Fahrenheit to Celsius.

After your three tests cases as shown, justify why these three test cases were chosen and why

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Known Bugs or Issues:
If you have any known bugs or issues with your code, let us know here. If you think it works correctly, justify why.

There are no bugs. I works correctly, because I converted Fahrenheit to Celsius by hand using the formula and I got the same answer as what my code spit out. Also, Google also gave me the same answer.