```python
# COSC 111 Assignment 1
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# September 9, 2022

import pandas as pd
import numpy as np


# 1. Write a program that converts Celsius temperature to Fahrenheit temperature. The
 program
# should ask the user to enter the temperature in Celsius. Then your program will cal
culate the
# value and display the Fahrenheit temperature.

# Converting Farenheit to Celsius
print('Enter a temperature in Fahrenheit: ')
Faren = float(input())

Cel = (Faren-32)/1.8
print('\n%0.2f degrees Farenheit is converted to %0.2f degrees in Celsius.' %(Faren,
Cel)) # % = modulo operator.... 0.2 returns 2 decimal places.... f indicates returnin
g a float
```
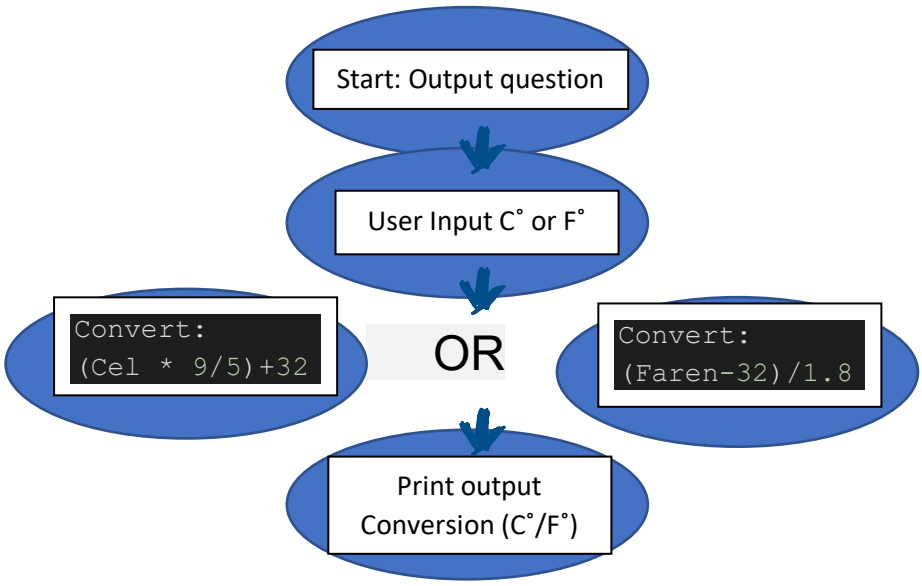

```python
# Converting Celsius to Farenheit
print('Enter a temperature in Celsius: ')
Cel = float(input())

Faren = (Cel * 9/5) + 32
print('\n%0.2f degrees Celsius is converted to %0.2f degrees in Fahrenheit.' %(Cel, F
aren))
```



```
# 2. Now ask the user to enter the total miles he/she drove and the number of gallons
 of gas used to
# cover the distance and compute the per gallon distance they can cover

print('How many miles did you drive?: ')
Miles = float(input())

print('How many gallons of gas did you put in your tank?: ')
Gallons = float(input())

MPG = (Miles/Gallons)

print('Your miles per gallon for this trip was: %0.2f.' %(MPG))
```