"""

Christina Wang 7/14/22 CSCI-UA 2 - 006

Assignment #1 Problem #1

"""

#this portion is for inputting the names

first\_name = input("Please enter name #1: ")

second\_name = input("Please enter name #2: ")

third\_name = input("Please enter name #3: ")

print( )

#this portion introduces the names in every order

print ("Here are your names in every possible order:")

print ("--------------------------------------------")

print( )

#this portion lists the names

#1

print ("1", end=". ")

print (first\_name, second\_name, third\_name, sep=" <> ")

print( )

#2

print ("2", end=". ")

print (first\_name, third\_name, second\_name, sep=" <> ")

print( )

#3

print ("3", end=". ")

print (second\_name, first\_name, third\_name, sep=" and ", end="!")

print( )

print( )

#4

print ("4", end=". ")

print (second\_name, third\_name, first\_name, sep=" and ", end="!")

print( )

print( )

#5

print ("5", end=". ")

print (third\_name)

print (second\_name)

print (first\_name)

print( )

#6

print ("6", end=". ")

print (third\_name)

print (first\_name)

print (second\_name)

"""

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Assignment #1 Problem #2

"""

#Assignment 2 Problem 2

# Fix and explain the errors in this program

#display title

#print("Temperature Converter")

#print("----------------------')

#syntax error- delimiters do not match

print("Temperature Converter")

print("----------------------")

# ask for temperature in farenheight

fTempString = input("Enter a temperature in Fahrenheit: ")

print("Calculating....\n")

# calculate celsius, kelvin, and rankine

#celsius = (fTemp-32)\*(5/9)

#kelvin = fTemp + 273.15

#rankine = ftemp + 459.67

#syntax error: trying to put a string into a math operation without converting

#syntax error: inconsistent variable names with rankine, capitalizse T in ftemp

#logic error: improperly calculating Kelvin

fTemp= float(fTempString)

celsius = (fTemp-32)\*(5/9)

kelvin = celsius + 273.15

rankine = fTemp + 459.67

#display results

#print(format("Celsius:", '<8s'), format(celsius, '>10.2s'), "C")

#print(format("Kelvin:",'<8s'), format(rankine, '>10.2f'), "K")

#print(format("Rankine:", '<8s'), format(kelvin, '>10.2f'), "R"

#syntax error- first line formats floating point value with 's' instead of 'f'

#syntax error- final line was not closed with )

#logic error- switched rankine and kelvin's results

print(format("Celsius:", '<8s'), format(celsius, '>10.2f'), "C")

print(format("Kelvin:",'<8s'), format(kelvin, '>10.2f'), "K")

print(format("Rankine:", '<8s'), format(rankine, '>10.2f'), "R")

"""

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Assignment #1 Problem #3

"""

#user inputs numbers

first\_numberString = input("Enter a number between 0 and 999: ")

second\_numberString = input("Enter another number between 0 and 999: ")

#converting to integers

first\_number=int(first\_numberString)

second\_number=int(second\_numberString)

#isolating ones, tens, hundreds

first\_number\_ones = first\_number%10

second\_number\_ones =second\_number%10

first\_number\_tens =(first\_number%100)//10

second\_number\_tens =(second\_number%100)//10

first\_number\_hundreds =first\_number//100

second\_number\_hundreds =second\_number//100

#sums

sum\_of\_ones= first\_number\_ones+second\_number\_ones

sum\_of\_tens= first\_number\_tens+second\_number\_tens

sum\_of\_hundreds= first\_number\_hundreds+second\_number\_hundreds

#printing

print (format("Sum of ones", "<15s"), "=", first\_number\_ones, "+", second\_number\_ones, "=", sum\_of\_ones, sep=" ")

print (format("Sum of tens", "<15s"), "=", first\_number\_tens, "+", second\_number\_tens, "=", sum\_of\_tens, sep=" ")

print (format("Sum of hundreds", "<15s"), "=", first\_number\_hundreds, "+", second\_number\_hundreds, "=", sum\_of\_hundreds, sep=" ")