Name: Robert McKinney

Assignment 1

**Part I – python code**

#--------------------------------------------------------

# Part I - Temperature converter, Fahrenheit to Celsius

#--------------------------------------------------------

# Get temperature in Fahrenheit from user

fahrenheit = int(input("What is the temperature in Fahrenheit? "))

# Convert temperature from Fahrenheit to Celsius

celsius = 5.0 / 9.0 \* (fahrenheit - 32)

# Print results to user

print("The temperature in Celsius is", celsius, "degrees")

**Part I – screen shot of sample run**

****

**Part II – python code**

#-----------------------------------------------

# Part II - Calculates the area of a trapezoid

#-----------------------------------------------

# Get height of trapezoid from user

height = int(input("Enter the height of the trapezoid: "))

# Get length of bottom base from user

bottom\_base = int(input("Enter the length of the bottom base: "))

# Get length of top base from user

top\_base = int(input("Enter the length of the top base: "))

# Calculate area of trapezoid

area = 0.5 \* (bottom\_base + top\_base) \* height

# Print result to user

print("The area of the trapezoid is", area)

**Part II – screen shot of sample run**

