Algorithm design

1. In order to have three types of variables, I decided to implement a float, an integer, and a string.
2. I named my variables the following: (temp\_in\_celsius) to store the float . (temp\_in\_farenheit) for my final calculated temperature in integer, to round the temperature to the whole number, and (results) to display my calculated temperature in a full sentence with something like “the temperature (temp\_in\_celcius) degrees celsius converted to celcius is (temp\_in\_farenheit) degrees fahrenheit”.
3. Assign values to my 4 city variables.

a.Beijing\_temp\_in\_celcius = 20

b.Tokyo\_temp\_in\_farenheit = 88

c.Berlin temp\_in\_celcius = 16

d.Paris\_temp\_in\_farenheit = 61.

1. Define the mathematical equation to convert fahrenheit to celsius, and vice versa.

a. Using the equation degrees in fahrenheit = degrees in celsius (9/5) +32

b. Using the equation degrees in celsius = degrees in 5(fahrenheit -32)/9

c. make sure the answers respond back to rounded, whole numbers, use int for rounding

d.wrap int around the variables celcius\_to\_farenheit and the variable farenheit\_to\_celcius, return the value

1. Organize a sentence, and assign the sentence to a new variable (temp\_paragraph) to display all my different variables and finalized calculations of temperature conversion in a paragraph.
2. Use print function to display temp\_paragraph.