Answer one of the following questions for full credit for this assignment. Place your questions in the “Answer” section below. Your solution should be between forty and one hundred words. Be certain to number your answer with the same number that is associated with the question.

1. How are the while loop and for loop similar and different?
2. Must you use the loop variable in the body of a “for” loop?
3. How are strings and tuples similar and different?

ANSWERS:

* The while loop through a code block, will continue looping based on some condition is true
* The for loop repeats its code block for each element of a sequence. When it reaches the end of the sequence the loop ends.
  + Example: a list of names

1. The loop variable has a length property, which allows the for loop to loop through a list of len x for instance
2. Tuples can be strings, strings can not be tuples, they can both be assigned and read by using index