1. Define the following:
2. Strings
3. Lists
4. Tuples
5. Dictionaries
6. Write an equation that uses multiplication, division, an exponent(forgot to mention that exponent is done by using \*\*. For example, 2\*\*3 = 8),addition and subtraction that is equal to 100.25(there isn’t a fixed solution, there are several ways).
7. What is the type of the result of the expression 3+1.5+4?
8. What would you use to find a number’s square as well as it’s square root?
9. Given a string “Hello”, give an index command that returns ‘e’.
10. Reverse the string “hello”.
11. Given a string “abcdefgioklasot”, give a command which return every third letter starting from the last ‘o’ in CAPS.
12. List1 = [1,2,[3,4,’hello’]]. In the given list, replace ‘hello’ to say ‘goodbye’ instead.
13. Sort the given list : list1 = [5,3,2,8,9,1]
14. Grab ‘hello’ from the following dictionaries:
15. d = {‘k1’:’hello}
16. d = {‘k1’:{‘k2’:’hello’}}
17. d = {‘k1’:[{‘nest\_key’:[‘this is deep’,[‘hello’]]}]}
18. d = {‘k1’ : [1,2,{‘k2’:[‘this is tricky’,{‘tough’:[1,2,[‘hello’]]}]}]}
19. What is the major difference between tuples and lists?
20. How do you create a tuple?
21. Use a set to find the unique values of the list below:

List1 = [1,2,2,33,4,4,11,22,3,3,2]