TUPLE

ASSIGNMENTS

1. What is tuples in Python?
2. Differentiate between lists and tuples.
3. Write a Python program to find the index of an item of a tuple.
4. Write a Python program to create a tuple with numbers and print one item.
5. What is the output of print tuple * 2 if tuple = (123, 'FREYA')?
6. How will you convert a string to a tuple in python?
7. How will you create a dictionary using tuples in python?
8. What Will Be The Output Of The Following Code Snippet?

   tuple_a = 1, 2
   tuple_b = ('3', '4')
   print (tuple_a + tuple_b)
9. What Will Be The Output Of The Following Code Snippet?

   tuple_a = 1, 2
   tuple_b = (3, 4)
   r=[sum(x) for x in [tuple_a + tuple_b]]
   print(r)
10.   Which Of The Following Statements Given Below Is/Are True?

    A. Tuples have structure, lists have an order.
    B. Tuples are homogeneous, lists are heterogeneous.
    C. Tuples are immutable, lists are mutable.
    D. All of them.
11.   What Will Be The Output Of The Following Code Snippet?

    tuple = ('Python') * 4
    print(type(tuple))

12.   What Will Be The Output Of The Following Code Snippet?

    tuple = (1,) * 3
    tuple[0] = 2
    print(tuple)

13.   What will be the output?
   t=(11,121,14,13)
   print(t[1:3])

14.   What will be the output?
   t = (11, 12, 14, 13, 18, 19)
   r=[t[i] for i in range(0, len(t), 2)]
   print(r)

15.   What will be the output?
   t1 = (1, 2, 3, 3)
   t2 = (1, 2, 3, 4)
   print(t1 < t2)

16.   What will be the output?
   a=(2,3,4)
   print(sum(a,3))

17.   What is the output of the following piece of code?
   a=(0,1,2,3,4)
   b=slice(0,2)
   print(a[b])

18.   How we can create a list of tuples from the values of a dictionary of lists?

19.   How we can compare items of two tuples?

20.   Write short notes on any 4 python tuple functions

21.   Write a Python program to reverse a tuple element

22.   What are the advantages of tuple over list?

23.   Create the tuple ('x', 'y', 'z'), then create a list from that tuple.

24.   Create a tuple containing just a single element which in turn contains the four elements 'a', 'b','c' and 'd'. Verify that the length is actually 1 by using the len() function.

25.   Can we create tuple of tuple

26.   Tuples are the fastest sequence in Python. How could they be used in a real life situation?