**List and Tuples**

**LATEST SUBMISSION GRADE**

100%

1.

Question 1

What is the syntax to obtain the first element of the tuple?

A=('a','b','c')

**1 / 1 point**



A[1]



A[0]



A[:]

**Correct**

correct, the index 0 corresponds to the first element of a list or tuple.

2.

Question 2

Consider the tuple**A=((1),[2,3],[4])**, that contains a tuple and list. What is the result of the following operation **A[2]**?

**1 / 1 point**



[2,3]



1



[4]

**Correct**

correct, the index 2 corresponds to the third element in the tuple, which contains another list.

3.

Question 3

Consider the tuple **A=((1),[2,3],[4])**, that contains a tuple and list. What is the result of the following operation **A[2][0]**?

**1 / 1 point**



4



[4]



1

**Correct**

correct, A[2] corresponds to the third nested list; we then access the only element of the list using the index 0 i.e. A[2][0].

4.

Question 4

What is the result of the following operation:**'A,B,C,D'.split(',')**?

**1 / 1 point**



['A', 'B', 'C', 'D']



('A', 'B', 'C', 'D')



'A,B,C,D'

**Correct**

correct, split returns a**list** of the words in the string, separated by the delimiter string, in this case, a comma.

5.

Question 5

The method append does the following:

**1 / 1 point**



adds one element to a list



merges two lists or insert multiple elements to a list

**Correct**

correct, append-only adds one element.

6.

Question 6

True or false: lists are mutable

**1 / 1 point**



True



False

**Correct**

correct, lists are mutable tuples are not

7.

Question 7

Consider the following list :**A=["hard rock",10,1.2]**

What will list **A** contain after the following command is run: **del(A[0])** ?

**1 / 1 point**



[10,1.2]



["hard rock",10,1.2]



["hard rock",10]

**Correct**

correct, we will delete element zero

8.

Question 8

If **A** is a list what does the following syntax do:**B=A[:]**?

**1 / 1 point**



assigns list **A** to list **B**



variable **B** references a new copy or clone of the original list **A**

**Correct**

correct

9.

Question 9

What is the result of the following: **len(("disco",10))**?

**1 / 1 point**



2



6



5

**Correct**

correct, there are 2 elements in the tuple so the function **len** returns 2