**List and Tuples**

**LATEST SUBMISSION GRADE**

88.88%

1.Question 1

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

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



A[1]



A[0]



A[:]

**Correct**

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

**1 / 1 point**

2.Question 2

Consider the tuple **A=((11,12),[21,22])**, that contains a tuple and list. What is the result of the following operation **A[1]**:



((11,12),[21,22])



(11,12)



[21,22]

**Correct**

correct, the index 1 corresponds to the second element in the tuple, which contains another list.

**1 / 1 point**

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]**:



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].

**1 / 1 point**

4.Question 4

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



['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.

**1 / 1 point**

5.Question 5

The method append does the following:



adds one element to a list



merges two lists or insert multiple elements to a list

**Correct**

correct, append-only adds one element.

**1 / 1 point**

6.Question 6

What is an important difference between lists and tuples?



Lists can't contain a string



Tuples can only have integers



Lists and tuples are the same



Lists are mutable tuples are not

**Correct**

correct, lists are mutable tuples are not

**1 / 1 point**

7.Question 7

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

what will list **A** contain affter the following command is run: **del(A[1])**



[10,1.2]



["hard rock",1.2]



["hard rock",10]

**Correct**

correct , we will delete element 1

**1 / 1 point**

8.Question 8

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



assigns list **A** to list **B**



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

**Correct**

correct

**1 / 1 point**

9.Question 9

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



2



6



5

**Incorrect**

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