Quiz

List and Tuples

1. Consider the tuple **tuple1=("A","B","C")**, what is the result of the following operation **tuple1[-1]**? **1 / 1 point**

- "A"
- "C"
- "B"

Correct
correct, the index -1 corresponds to the last element of the tuple.

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**

- 1
- [2,3]
- [4]

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

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. What is the result of the following operation: **'A,B,C,D'.split(',')** 1 / 1 point

- ['A', 'B', 'C', 'D'] (selected)
- ('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. The method append does the following: 1 / 1 point

- adds one element to a list (selected)
- merges two lists or insert multiple elements to a list

Correct
correct, append-only adds one element.

6. lists are mutable 1 / 1 point

- True (selected)
- False

Correct
correct, lists are mutable tuples are not

7. consider the following list : **A=["hard rock",10,1.2]** 1 / 1 point

what will list **A** contain affter the following command is run: **del(A[0])**

- [10,1.2] (selected)
- ["hard rock",10,1.2]
- ["hard rock",10]

Correct
correct, we will delete element zero

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. what is the result of the following: **len(("disco",10,1.2, "hard rock",10))** 1 / 1 point

- 5
- 6
- 0

Correct
correct, there are 5 elements in the tuple so the function len returns 5