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1. 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

- ☒ [4]
☐ [2,3]
☐ 1

✓ Correct

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

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][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].

3. True or false: after applying the following method, **L.append(['a','b'])**, the following list will only be one element longer.

1 / 1 point

- ☒ True
☐ False

✓ Correct

append only adds one element to a list

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

1 / 1 point

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

- ☒ [10,1.2]
☐ ["hard rock",10,1.2]
☐ ["hard rock",10]

✓ Correct

correct, we will delete element zero

5. What is the syntax to clone the list **A** and assign the result to list **B** ?

1 / 1 point

- ☐ B=A
☒ B=A[:]

✓ Correct

correct

6. 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

7. Consider the following dictionary:

1 / 1 point

{ "The Bodyguard":"1992", "Saturday Night Fever":"1977"}

select the keys

- ☐ "1992"
☐ "1977"

☒ "Saturday Night Fever"

☒ **Correct**

correct, this is one of the keys

☒ "The Bodyguard"

☒ **Correct**

correct, this is one of the keys

8. The variable **release_year_dict** is a Python Dictionary, what is the result of applying the following method: **release_year_dict.keys()** ?

1 / 1 point

- ☒ retrieve the keys of the dictionary
- ☐ retrieves, the values of the dictionary

☒ **Correct**

correct, the method returns the keys

9. Consider the Set: **V={'1','2'}**, what is the result of **V.add('3')**?

1 / 1 point

- ☐ {'1','2'}
- ☐ {1,2,3}
- ☒ {'1','2','3'}

☒ **Correct**

correct

10. What is the result of the following: **'1' in {'1','2'}** ?

1 / 1 point

- ☒ True
- ☐ False

☒ **Correct**

correct