

1. Consider the tuple **A=(({11,12},{21,22})**, which contains a tuple and list. What is the result of the following operation **A[0][1]**? 1 / 1 point

- ☐ 11
- ☐ 21
- ☐ 22
- ☒ 12

✔ **Correct**
Correct! A[0] corresponds to the first nested tuple; we then access the second element of the tuple using the index 1, that is, A[0][1].

2. Examine the tuple **A=(({1},[2,3],[4])**, that involves a tuple and list. What is the outcome of the following operation **A[2][0]**? 1 / 1 point

- ☐ 2
- ☒ 4
- ☐ 1
- ☐ [4]

✔ **Correct**
Correct! A[2] refers to the third nested list. To retrieve the sole element of this list, we use the index 0, denoted as A[2][0].

3. The method append does the following: 1 / 1 point

- ☐ Creates a new list with an added element
- ☐ Adds multiple elements to a list
- ☒ Adds one element to a list
- ☐ Merges two lists

✔ **Correct**
Correct! Append only adds one element.

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[1])**

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

✔ **Correct**
Correct! The element in index 1 will be deleted.

5. If **A** is a list, what does the following syntax do? **B=A[:]** 1 / 1 point

- ☐ B gets a transposed form of the list A
- ☐ List A gets converted to a set and is loaded to B
- ☒ Creates a new reference variable B that points to a copy or clone of the original list A
- ☐ Assigns list A to list B

✔ **Correct**
Correct! The colon operator helps to create duplicate or clone.

6. What is the result of the following? **len(("disco",10))** 1 / 1 point

- ☐ 7
- ☐ 6
- ☒ 2
- ☐ 5

✔ **Correct**
Correct! The function “len” returns the number of elements in a list.

7. Consider the following dictionary: 1 / 1 point

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

Select the values.

☒ "1977"

✔ **Correct**
Partially correct! This is one of the values.

☒ "1992"

✔ **Correct**
Partially correct! This is one of the values.

☐ "The Bodyguard"

☐ "Saturday Night Fever"

8. The variable **release_year_dict** is a Python dictionary, what is the outcome of applying the following method? **release_year_dict.keys()** 1 / 1 point

- ☐ Retrieves the values of the dictionary
- ☒ Retrieves the keys of the dictionary
- ☐ Retrieves the entire contents of the dictionary
- ☐ Changes the dictionary to a list

✔ **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

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

✔ **Correct**
Correct! The method will add a new value to the current set.

10. What is the result of the following? **'A' in {'A','B'}** 1 / 1 point

- ☒ True
- ☐ 1
- ☐ 0
- ☐ False

✔ **Correct**
Correct! The conditional statement is true.