Thursday, 4 April 2024, 1:16 PM
Finished
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37 secs
3.00/3.00
<b>10.00</b> out of 10.00 ( <b>100</b> %)

Which of the standard data types in Python have constant access time (i.e. constant time of the [] operation)?

- b. Dictionary (map).
- ☑ c. Tuple 
  ✓ Yes. But let us also note, that tuples are generally small, only a couple of elements, hence also logarithmic and even linear access time will not be a problem.

Your answer is correct.

The correct answers are:

Tuple,

List

## Question 2

Correct

Mark 1.00 out of 1.00

Assuming that the variable Ist holds list, select what is the meaning of the expression Ist[-1].

- a. It is valid if the list is not empty and represents the last element of the list. 

  ✓
- b. It is invalid, list indexing starts at 0.
- c. It is valid if the list has at least two elements and represents the second (i.e with the index abs(-1) == 1) element of the list

Your answer is correct.

The correct answer is:

It is valid if the list is not empty and represents the last element of the list.

Question 3	
Correct	
Mark 1.00 out of 1.00	

Select all of the data structures listed below which are mutable.

- a. String
- ☑ b. List Yes! We can both change list elements and add/remove elements.
- ☑ c. Dictionary ✔ Yes! We can add new key:value pairs, remove them, and change the value bound to a key.
- d. Tuple

Your answer is correct.

The correct answers are:

List,

Dictionary

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