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Quiz review

Started on	Monday, 29 January 2024, 12:53 PM
State	Finished
Completed on	Monday, 29 January 2024, 12:55 PM
Time taken	1 min 55 secs
Marks	5/5
Grade	**100** out of 100
Feedback	**Congratulations!!! You have passed by securing more than 80%**

Question 1

Correct

Mark 1 out of 1

If a=[20,30,40,50,60], show the value of a[3].

Select one:

- ⦿ 50 ✔
- ◯ 40
- ◯ 60
- ◯ None of these options

Your answer is correct.
List index starts with 0. Hence, a[3] refers to the 4th element in the list which is 50.

The correct answer is: 50

Question 2

Correct

Mark 1 out of 1

Consider the following code snippet:

1. list = [[ ]] * 5
2. list # output?
3. list[0].append(10)
4. list # output?
5. list[1].append(20)
6. list # output?
7. list.append(30)
8. list # output?

Analyse and select the outputs for the lines 2, 4, 6, and 8?

Select one:

○ [[], [], [], [], []] ✔
[[10], [10], [10], [10], [10]]
[[10, 20], [10, 20], [10, 20], [10, 20], [10, 20]]
[[10, 20], [10, 20], [10, 20], [10, 20], [10, 20], 30]

○ [[], [], [], [], []]
[[10], [10], [10], [10], [10]]
[[10, 20], [10, 20], [10, 20], [10, 20], [10, 20]]
[[10, 20], [10, 20], [10, 20], [10, 20], [10, 20], [10,30]]

○ [[], [], [], [], []]
[[10], [10], [10], [10], [10]]
[[10], [10], [10], [10], [10],[20]]
[[10, 20], [10, 20], [10, 20], [10, 20], [10, 20], [10,30]]

○ [[], [], [], [], []]
[[], [], [], [], [],[10]]
[[10, 20], [10, 20], [10, 20], [10, 20], [10, 20]]
[[10, 20], [10, 20], [10, 20], [10, 20], [10, 20], 30]

Your answer is correct.

list =[[ ]] * 5 creates a list containing 5 empty lists.

list[0].append(10) appends value 10 to the 0th index of every list within the list of lists.

list[1].append(20) appends value 20 to the 1st index of every list within the list of lists.

list.append(30) appends value 30 to the list of lists.

The correct answer is: [[], [], [], [], []]
[[10], [10], [10], [10], [10]]
[[10, 20], [10, 20], [10, 20], [10, 20], [10, 20]]
[[10, 20], [10, 20], [10, 20], [10, 20], [10, 20], 30]

Question 3

Correct

Mark 1 out of 1

Analyse the following code and predict the output.

list1 = [2,4,6,8,10,12,14,16,18,20]

print (list1[0:1],list1[5:7])

Select one:

○ [2][12,14,16]

○ [4][14,16]

◉ [2] [12, 14] ✔

○ Error

Your answer is correct.

[0:1] means the element at the 0th index and (1-1)th index, which is again 0th index.

[5:7] means the elements at 5th and 6th index .

The correct answer is: [2] [12, 14]

Question 4

Correct

Mark 1 out of 1

Create a string with the numbers from 0 to 100, "0123456789101112...". Choose the correct statement.

Select one:

- ○ "".join([`x` for x in range(100)])

- ⦿ "".join([str(x) for x in range(101)]) ✔

- ○ "".append([`x` for x in xrange(101)])

- ○ "".append([`x` for x in xrange(100)])

Your answer is correct.

The method xrange is deprecated in Python3. Hence eliminate the choices with xrange.

A string with the numbers from 0 to 100 requires the range-end to be 101.

The method join returns a string in which the elements of sequence have been joined by a str separator.

The only statement relevant to our scenario is "".join([`x` for x in range(101)])

The correct answer is: "".join([str(x) for x in range(101)])

Question 5

Correct

Mark 1 out of 1

"The 'break' statement can be used to terminate the 'if' condition". State True or False:

Select one:

○ True

◉ False ✔

The 'break' statement is used to break out of a loop.

The correct answer is 'False'.

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