You have reached 6 of 15 point(s), (40%)

View Questions Restart Quiz

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Correct Incorrect

1. Question

- Which of the following is a feature of list comprehensions?
 - Reduction in time complexity
 - More amount of memory consumption
 - Shorter lines of code
 - O Both a and c

Correct

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Which of the following is the output of the following code?

list1=[1,2,3,4,5]

list2=[i%5 for i in list1]

list2

- [1, 2, 3, 4, 5]
- **[5]**
- 0 [1, 2, 3, 4, 0]
- [0,0,0,0,1]

Correct

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3. Question

- If we have two if statements in the list comprehension, then the output is True iff
 - First if condition is True
 - Second i condition is True

- Either if conditions is True
- Both if conditions are True

Incorrect

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4. Question

Which of the following takes only those string that has digit and also stores the value as int?

list1=['1','a','3','d','5']

- list2=[i for i in list1 if i.isdigit()]
- list2=[int(i) for i in list1 if i.isdigit()]
- list2=[int(i) for i in list1 if i.isdigit())]
- None of the above

Incorrect

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• Which of the following functions cannot be used with lambda functions?

	map()	
0	filter()	
	remove()	
0	reduce()	
4		•
4		•

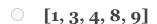
Incorrect

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6. Question

Which of the following is the output of the following code?

list1=[1,-3,4,-8,9,0] list2=[-x if x<0 else x for x in list1] list2



[1, 3, 4, 8, 9, 0]

[-1,	3,	-4,	8,	-9,	0
	U 7	T 7	- ,	27	

Incorrect

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7. Question

Which of the following gives the output as the cubes of the values from 1 to 10, including 10.

- **[3**x for x in range(1,11)]**
- **[3**x for x in range(1,10)]**

Correct

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- Which of the following is the correct way to use filter function?
 - O filter(lambda i: i,list1)
 - filter(lambda i: list1)
 - lambda i: filter (i), list1
 - None of the above

Incorrect

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9. Question

Which of the following is the output of the following code?

list1=[1,-2,3]

[[i+j for i in list2] for j in list1]

- [2,4,5,9,10,1,-1,1,2,6,7,-2,4,6,7,11,12,3]
- **[2, -1, 4, 4, 1, 6, 5, 2, 7, 9, 6, 11, 10, 7, 12, 1, -2, 3]**

[[2,4,5,9,10,1],[-1,1,2,6,7,-2],[4,6,7,11,12,3]]

[[2, -1, 4, 4, 1, 6], [5, 2, 7, 9, 6, 11], [10, 7, 12, 1, -2, 3]]

Incorrect

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10. Question

- Which of the following gives the output as ['a','B','c','D'] if list1=['A','b','C','d']?
 - [i.upper() if i.islower() else i.lower() for i in list1]
 - [upper(i) if i.islower() else lower(i) for i in list1]
 - [i.swapcase() for i in list1]
 - O Both a and c

Incorrect

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• Which module should be imported to use reduce() function in lambda functions?



Incorrect

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12. Question

Which of the following is the output of the following code?

list1=[1,-3,0.9,5.6] [int(i) for i in list1]



[1, -3, 1, 5]

$$[1, -3, 0, 6]$$

Correct

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13. Question

- Which of the following will find the sum of the first 5 natural numbers?
 - o reduce(lambda x,y: x +y,range(1,6))
 - o reduce(lambda x,y: x +y,range(1,5))
 - o reduce(lambda x,y: x +y,range(6))
 - o reduce(lambda x,y: x +y,range(5))

Correct

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Which of the following is the output of the following code?

[i for i in "ABCDEFG" if i not in "aeiou"]

- O ['A', 'B', 'C', 'D', 'E', 'F', 'G']
- ['B', 'C', 'D', 'F', 'G']
- ['A', 'E']
- None of the above

Correct

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15. Question

Which of the following gives the output as True?

- all([i//4 for i in range(4)])
- \bigcirc any([i//4 for i in range(4)])
- all([i//4 for i in range(5)])

any([i//4 for i in range(5)])

Incorrect

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