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Question 1:

Guess the output of this program:

1. lst = [5, 7, 'mostafa', 2]
3. lst.sort()

Error

[5, 7, 2, 'mostafa']

TypeError: It can't compare by default between int and str

lst1 will be none. lst.sort is inplace

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Question 2:

Guess the output of this program:

1. lst = [5, 10, -2.5]
3. lst1 = lst.sort(reverse=True)
4. lst2 = sorted(lst, reverse=True)
6. print(lst1 == lst2)

True

False

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Question 3:

Guess the output of this program:

1. print(sorted('Ziad'))

Error

Zadi

['Z', 'a', 'd', 'i']

['a', 'd', 'i', 'Z']

adiZ

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Question 4:

Guess the output of this program:

1. ret = ''
2. for idx, item in enumerate(reversed('Ziad')):
3. ret += item \* idx
5. print(ret)

daaiiiZZZZ

aiiZZZ

Error

daiiZZZ

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Question 5:

Guess the output of this program:

1. my\_list = [4, 5, 7, -4, 1]
3. print(my\_list.index(max(my\_list)))

0

1

2

3

4

Error

This is called argmax: the index of the maximum value.

Returns the indices of the maximum values along an axis.

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Question 6:

How many times python functions will iterate on the list to get the argmin answer?

1. my\_list = [4, 5, 7, -4, 1]
3. pos = my\_list.index(min(my\_list))

0

1

2

3

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Question 8:

Guess the output of this program:

1. lst = [1, 2, 3]
3. def f():
4. lst += [4, 5]

7. f()
8. print(lst)

Error

[1, 2, 3]

[1, 2, 3, 4, 5]

UnboundLocalError: local variable 'lst' referenced before assignment. Remember the x += 1 example?

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Question 9:

Guess the output of this program:

1. lst = [1, 2, 3]
3. def f():
4. global lst
5. lst += [4, 5]

8. f()
9. print(lst)

Error

[1, 2, 3]

[1, 2, 3, 4, 5]

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Question 11:

Guess the output of this program:

1. print(type(list('mostafa')) is type(str))

True

False

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Question 12:

Guess the output of this program:

1. def f(lst):
2. return lst.count(lst[0]) == len(lst)
4. print(f([12, 12, 12, 12]))

What does this function do?

True

False

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Question 13:

Guess the output of this program:

1. def test(lst = []):
2. lst.append(1)
3. print(lst, end=' ')

6. test()
7. test()
8. test()

[1] [1, 1] [1, 1, 1]

[1] [1] [1]

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