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Question 1:

Guess the output of this program:

1. graph = {1:5, 5:3, 3:2, 2:-1}
3. steps = 0
4. start = 1
5. while start != -1:
6. start = graph[start]
7. steps += 1
9. print(steps)

Error

1

2

3

4

5

Runs forever

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Question 2:

Guess the output of this program:

1. my\_str = 'za'
2. my\_lst = [5, 2, 3]
4. dct = {
5. 1:my\_str,
6. 2:my\_lst
7. }
8. my\_lst.sort()
9. my\_str = ''.join(sorted(my\_str))
11. print(dct)

{1: 'az', 2: [2, 3, 5]}

{1: 'za', 2: [2, 3, 5]}

{1: 'za', 2: [5, 2, 3]}

Error

string is reassigned. Not affecting old str. list is changed in-place

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Question 3:

Guess the output of this program:

1. dct = {
2. 1:[5, 2, 3],
3. 2:[-2, 12, 3]
4. }
5. for value in dct.values():
6. value.sort()
8. print(dct)

Error

{1: [5, 2, 3], 2: [-2, 12, 3]}

{1: [2, 3, 5], 2: [-2, 3, 12]}Bottom of Form

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Question 4:

Guess the output of this program:

1. dct = {
2. [2, 3] : 10,
3. }
5. print(dct([2, 3]))

Error

10

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Question 5:

Guess the output of this program:

1. dct = {
2. (2, 3) : 10,
3. 30: 70
4. }
6. k = 2, 3,
7. dct[k] += 20
8. print(dct[dct[k]])

Error

30

70

10

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Question 6:

Guess the output of this program:

1. dct = {
2. 1:5,
3. 2:7,
4. 3:10
5. }
7. print(dct[-1])

3

10

Error

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Question 7:

1. dct = {
2. 1:5,
3. 2:7,
4. 3:10
5. }
7. del dct
8. print(dct)

UnboundLocalError: local variable 'dct' referenced before assignment

NameError: name 'dct' is not defined

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Question 8:

Guess the output of this program:

1. def f():
2. dct = {
3. 1:5,
4. 2:7,
5. 3:10
6. }
8. del dct
9. print(dct)
11. f()

UnboundLocalError: local variable 'dct' referenced before assignment

NameError: name 'dct' is not defined

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Question 9:

The .clear method in a dictionary object clear all keys and free the value's memory

True

False

In python, we can't clear values from memory. We only unbind the name/value. Garbage collector cleans automatically at some point.

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Question 10:

Neither a list nor another dictionary can be used as a dictionary key

True

False

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Question 11:

Guess the output of this program:

1. dct = {
2. 1:5,
3. 2:7,
4. 3:'mostafa'
5. }
7. print(dct[3][3].upper())

t

T

s

S

Error

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Question 12:

Guess the output of this program:

1. dct = {
2. 1:'mostafa',
3. 2:'saad',
4. }
6. print(f"Hi {dct[1]} {dct[2]}.")

Error

Hi mostafa saad.

Hi {dct[1]} {dct[2]}.

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Question 13:

Guess the output of this program:

1. dct = {
2. int: [6, 9, 10],
3. float : 10
4. }
5. print(dct[type(float)])

Error

10

It should be: print(dct[float])

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Question 14:

Guess the output of this program:

1. dct = {
2. 1: [6, 9, 10],
3. 3 : 10
4. }
6. dct.setdefault(3, 5)
7. dct.setdefault(7, 5)
8. print(dct[3] + dct[7])

10

15

Error

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