Mayar magdy

Question 1:

Guess the output of this program:

1. def f():
2. global x
3. x += 1
4. return x

7. x = 10
8. print(f(), f(), f())

Error

11 11 11

10 10 10

11 12 13

10 11 12

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Question 2:

Guess the output of this program:

1. x = 10
3. def f():
4. global x
5. x += 1
6. return x

9. x, y, z = f() + 1, f(), f()
11. print(x, y, z)

11 12 13

12 12 13

12 12 12

13 13 13

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Question 3:

UnboundLocalError: local variable 'x' referenced before assignment. If you want to use a global var, use global keyword

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Guess the output of this program:

1. x = 10
3. def f():
4. x += 1
5. return x

8. print(f())

Error

11

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Question 4:

Guess the output of this program:

1. x = 10
3. def f():
4. x = 5
5. return x
7. f()
8. print(x)

5

10

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Question 5:

Guess the output of this program:

1. x = 10
3. def f():
4. y = 1
5. x = 5
6. return x + y
8. f()
9. print(x, y)

Error

10 1

5 1

Top of Form

Question 6:

Guess the output of this program:

1. def f(k1, k2, k3 = 3):
2. return k1 \* k2 \* k3
4. print(f(k2='Hi', k1=2, 2))

Error

HiHiHiHi

HiHiHiHiHiHi

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Bottom of Form

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Question 7:

Guess the output of this program:

1. def f(k1, k2, k3 = 3):
2. return k1 \* k2 \* k3
4. print(f(k2='Hi', k1=2, k3=2))

Error

HiHiHiHi

HiHiHiHiHiHi

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Question 8:

Guess the output of this program:

1. def f(k1, k2, k3 = 3):
2. return k1 \* k2 \* k3
4. print(f(k2='Hi', k1=2))

HiHiHiHiHiHi

HiHiHiHi

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Guess the output of this program:

1. def f(k1, k2 = 3, k3):
2. return k1 \* k2 \* k3
4. print(f('Hi', 1, 1))

Error

Hi

An argument can have a default value in a Python function. If you specify arguments with default values, they must come after arguments without default values. Otherwise, you encounter a “SyntaxError: non-default argument follows default argument” error.Bottom of Form

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Question 10:

Which statement is correct?

1. def f(a, b, c, /, d, e, \*, f, g):
2. return a + b+c+d+e+f+g

This code doesn't work

1) a, b, c must be positional arguments

2) f, g must be keyword arguments

Both 1 and 2

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Question 11:

In terms of parameter types (positional or keyword): how many ways to make a call to this function (**assume all arguments-parameters are called in order**, e.g. a, b, c, d, e, f, g) ?

1. def f(a, b, c, /, d, e, \*, f, g):
2. return a + b+c+d+e+f+g

1

2

3

4

5

6

7

More than 7

Only d and e are flexible and can be called either positional or keyword. So overall 4 cases. However, we can't call d as keyword and e as positional.

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Question 12:

Guess the output:

1. def f():
2. print('hello world')

hello world

Empty output

Error

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Question 13:

Guess the output:

1. def f():
2. print('hello world')
3. f()

hello world

Empty output

Error

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Is this function definitely correct? If no, why?

1. def print\_menu():
2. while True:
3. print('\n\nMenu:')
4. print('Enter 1 to add 2 numbers')
5. print('Enter 2 to subtract 2 numbers')
6. print('Enter 3 to end the program')
8. user\_inp = input('\nEnter choice from 1 to 3: ')
10. if user\_inp not in '123':
11. print('Invalid Input...Try again')
12. continue
13. else:
14. return user\_inp

Correct

Not correct

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