Mayar Magdy

Question 1:

A function is a block of organized, **reusable** code that is used to perform some specific task?

True

False

Top of Form

Question 2:

The definition of a function consists of

**def**keyword

function name

parentheses

input parameters

indented code block

All of the above

Top of Form

Question 3:

Guess the output of this program:

1. def compute-sum(n)
2. sum = 0
3. for idx in range(1, n):
4. sum += idx
5. return sum
7. print(compute\_sum(5))

Error

10

15

21

Top of Form

Question 4:

Guess the output of this program:

1. def compute\_sum(n):
2. sum = 0
3. for idx in range(1, n):
4. sum += idx
5. return sum

8. print(compute\_sum(5))

Error

10

15

21

Top of Form

Question 5:

Guess the output of this program:

1. print('hello', end=' ')
3. def f(n):
4. res = 1
5. while n:
6. n -= 1
7. res \*= 2
8. return res

11. print(f(5))

Error

hello 32

hello 16

hello 64

hello 1

Top of Form

Question 6:

Guess the output of this program:

1. def f(n):
2. res = 0
3. for i in range(n):
4. res \*= i + 3
5. return res
7. print(f(20))

Error

0

1

Something else

Top of Form

Question 7:

Which error?

1. def f(a, b):
2. return a - b

5. f(1, 2, 3)

TypeError

SyntaxError

IndentationError

ValueError

Top of Form

a in line 1 is a parameter, but a in line 5 is an argument. Right?

1. def f(a, b):
2. return a - b
4. a = 1
5. f(a, a)

True

False

Top of Form

Question 9:

Let f() be some function. We can always do: print(f())

True

False

Top of Form

Question 10:

Guess the output of this program:

1. def f(a, b, c):
2. return a, b\*b, c\*c\*c
4. ret = f(1, 2, 3)
5. print(len(ret))

Error

3

1

Top of Form

Question 11:

Guess the output of this program:

1. def f(a, b, c):
2. return a, b\*b, c\*c\*c
4. ret = f(1, 2, 3)
5. x, y, z = ret
7. print(x + y + z)

Error

16

32

64

Something else

Top of Form

Question 12:

Which error?

1. def f(a, b, c):
2. return a, b\*b, c\*c\*c
4. x, y, z, w = f(1, 2, 3)
6. print(x + y + z)

ValueError

TypeError

SyntaxError

Top of Form

Question 13:

Which error

1. def f(n = 5, m):
2. ret = 1
3. while m > -2:
4. ret \*= n
5. return ret
7. print(f(2))

SyntaxError

TypeError

ValueError

Top of Form

Question 14:

Guess the output of this program:

1. def f(n, m = 4):
2. ret = 1
3. while m > -2: 4 3 2 1 0 -1
4. ret \*= n #res=res\*n 2 4 8 16 32
5. m -= 1 #m=m-1 3
6. return ret
8. print(f(2))

32

64

128

Something else

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