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QUESTION 1

Assuming that the snippet below has been executed successfully, which of the following expressions

evaluate to True? (Choose two.)

string = 'python'[::2]

string = string[-1] + string[-2]

A. string[0] == 'o'

B. string is None

C. len(string) == 3

D. string[0] == string [-1]

Correct Answer: BC

QUESTION 2

Is it possible to safely check if a class/object has a certain attribute?

A. yes, by using the hasattr attribute

B. yes, by using the hasattr ( ) method

C. yes, by using the hassattr ( ) function

D. no, it is not possible

Correct Answer: B

Reference: https://stackoverflow.com/questions/610883/how-to-know-if-an-object-has-an-attribute-inpython

QUESTION 3

What is the expected output of the following snippet?

```
s = '* - *'
s = 2* s + s* 2
print (s)
```

A. *- **-**-**-*

B. *-**-**-**-**-**-**-*

C. *-*

D. *-**-*

Correct Answer: A

```
 9   s = '* - *'
10   s = 2* s + s* 2
11   print (s)
```

```
* - ** - ** - ** - *
```

QUESTION 4

What is the expected behavior of the following code?

```
m = 0

def foo(n):
    global m
    assert m == 0
    try:
        return 1/n
    except ArithmeticError:
        m += 1
        raise

try:
    foo(0)
except ArithmeticError
    m += 2
except:
    m += 1

print(m)
```

A. it outputs 3

B. it outputs 1

C. the code is erroneous and it will not execute

D. it outputs 2

Correct Answer: C

QUESTION 5

With regards to the directory structure below, select the proper forms of the directives in order to import module_b. (Choose two.)

```
pypack (dir)
  |
  |-- upper (dir)
  |    |
  |    |--lower (dir)
  |    |    |
  |    |    |_ module_c.py (file)
  |    |
  |    |_  module_b.py (file)
  |
  |_ module_a.py (file)
```

A. from pyback.upper import module_b

B. import pyback.upper.module_b

C. import upper.module_b

D. import module_b

Correct Answer: B

QUESTION 6

What can you deduce from the following statement? (Select two answers)

str= open ('file.txt', 'rt')

A. str is a string read in from the file named file.txt

B. a newline character translation will be performed during the reads

C. if file. txt does not exist, it will be created

D. the opened file cannot be written with the use of the str variable

Correct Answer: AD

QUESTION 7
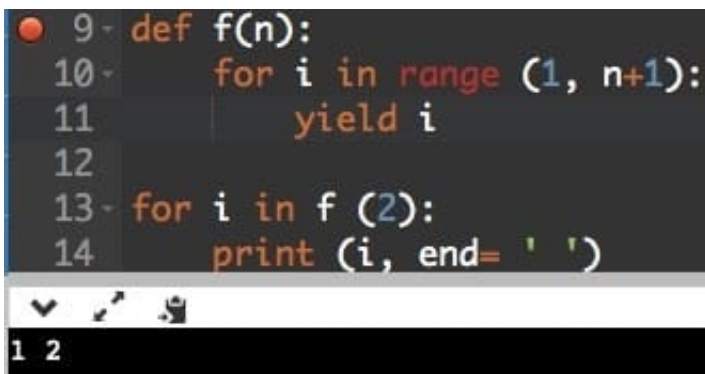
What is true about Python class constructors? (Choose two.)

A. there can be more than one constructor in a Python class

B. the constructor must return a value other than None

C. the constructor is a method named __init__

D. the constructor must have at least one parameter

Correct Answer: CD

QUESTION 8


```
 9 - def f(n):
10 -     for i in range (1, n+1):
11          yield i
12
13 - for i in f (2):
14     print (i, end= ' ')

1 2
```

What is the expected output of the following code?

```
1st = [x for x in range (5)]
1st = list (filter (lambda x: x % 2 = = 0, 1st))
print (len(1st))
```

A. 2

B. The code will cause a runtime exception

C. 1

D. 3

Correct Answer: B

QUESTION 9

Package source directories/folders can be: A. converted into the so-called pypck format

B. packed as a ZIP file and distributed as one file

C. rebuilt to a flat form and distributed as one directory/folder

D. removed as Python compiles them into an internal portable format

Correct Answer: D

QUESTION 10

What can you deduce from the line below? (Select two answers)

```
x = a.b.c.f ()
```

A. import a.b.c should be placed before that line

B. f () is located in subpackage c of subpackage b of package a

C. the line is incorrect

D. the function being invoked is called a.b.c.f ()

Correct Answer: C

QUESTION 11

Assuming that the following inheritance set is in force, which of the following classes are declared properly? (Choose two.)

```
class A:
    pass


class B(A):
    pass


class C(A):
    pass


class D(B):
    pass
```

A. class Class_4(D,A): pass

B. class Class_3(A,C): pass

C. class Class_2(B,D): pass

D. class Class_1(C,D): pass

Correct Answer: AD

QUESTION 12

How many elements will the list2 list contain after execution of the following snippet?

```
list1 = [False for i in range (1, 10) ]
list2 = list1 [-1:1:-1]
```
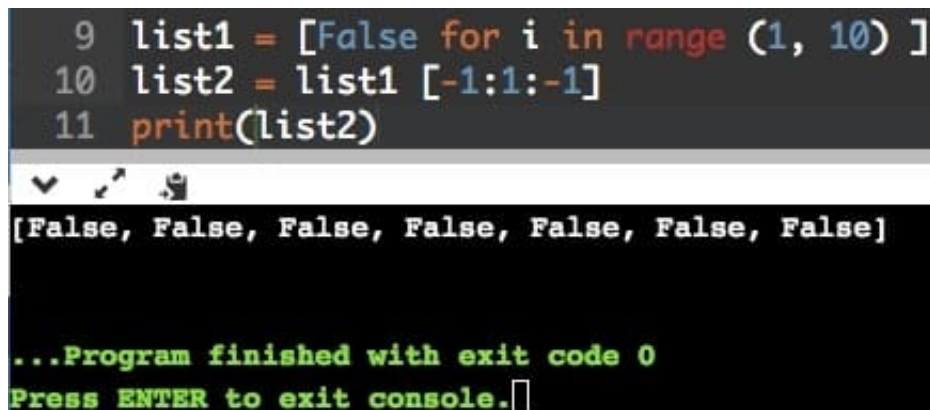
A. zero

B. five

C. seven

D. three

Correct Answer: C

```
 9  list1 = [False for i in range (1, 10) ]
10  list2 = list1 [-1:1:-1]
11  print(list2)
```
```
[False, False, False, False, False, False, False]

...Program finished with exit code 0
Press ENTER to exit console.
```

QUESTION 13

What is the expected behavior of the following code?

```
def unclear (x):
    if x % 2 = = 1:
        return 0

print )unclear (1) + unclear (2))
```

It will:

A. print 0

B. cause a runtime exception

C. prints 3

D. print an empty line

Correct Answer: A

QUESTION 14

A two-parameter lambda function raising its first parameter to the power of the second parameter should be declared as:

A. lambda (x, y) = x ** y

B. lambda (x, y): x ** y

C. def lambda (x, y): return x ** y

D. lambda x, y: x ** y

Correct Answer: D

QUESTION 15

What is the expected output of the following snippet?

```
class X:
      pass
class Y (X):
      pass
class Z(Y):
      pass

X = Z()
Z = Z()
print (isinstance (x, z), isinstance (z, X))
```

A. True False

B. True True

C. False False

D. False True

Correct Answer: