PCAP-31-03^{Q&As}

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QUESTION 1

A variable stored separately in every object is called:

A. there are no such variables, all variables are shared among objects

B. a class variable

C. an object variable

D. an instance variable

Correct Answer: D

Reference: https://dev.to/ogwurujohnson/distinguishing-instance-variables-from-class- variables-in-python-81

QUESTION 2

What is the expected behavior of the following code?

```
class Class:
    Variable = 0
    def __init__(self):
        self.value = 0

object_1 = Class()
object_1.Variable += 1
object_2 = Class()
object_2.value += 1
print(object_2.Variable + object_1.value)
```

A. it outputs 1

B. it outputs 0

C. it raises an exception

D. it outputs 2

Correct Answer: A

QUESTION 3

Executing the following snippet

```
dct = { 'pi' : 3.14}
dct ['pi'] = 3.1415
```

will cause the dct:

A. to hold two keys named `pi\\' linked to 3.14 and 3.1415 respectively

B. to hold two key named `pi\\' linked to 3.14 and 3.1415

C. to hold one key named `pi\\' linked to 3.1415

D. to hold two keys named `pi\\' linked to 3.1415

Correct Answer: C

QUESTION 4

Assuming that the following piece of code has been executed successfully, which of the expressions evaluate to True? (Select two answers) A. obj_b.prop_a == 3

```
class A:
    VarA = 1
    def __init__(self):
        self.prop_a = 1

class B(A):
    VarA = 2
    def __init__(self):
        self.prop_a = 2
        self.prop_aa = 2

class C(B):
    VarA = 3
    def __init__(self):
        super().__init__()

obj_a = A()
obj_b = B()
obj_c = C()
```

B. hasattr(obj_b, \\'prop_aa\\')

C. isinstance(obj_c,A)

D. B. VarA == 3

Correct Answer: BC

QUESTION 5

Which of the following expression evaluate to True? (Select two answers)

A. `ord("0") - ord("9") == 10`

B. `len('''12`
`34''') == 4`

C. `len("'''") == 2`

D. `chr(ord('Z') - 1) == 'Y'`

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: CD

QUESTION 6

If you need to serve two different exceptions called Ex1 and Ex2 in one except branch, you can write:

A. except Ex1 Ex2:

B. except (ex1, Ex2):

C. except Ex1, Ex2:

D. except Ex1+Ex2:

Correct Answer: D

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: AC

Reference: https://www.geeksforgeeks.org/constructors-in-python/

QUESTION 8

What is the expected output of the following code if the file named existing_text_file is a non-zero length text file located inside the working directory?

```
try:
    f = open('existing_text_file','w')
    d = f.readlines()
    print(len(d))
    f.close()
except IOError :
    print(-1)
```

A. the length of the first line from the file

B. -1

C. the number of lines contained inside the file

D. the length of the last line from the file

Correct Answer: B

QUESTION 9

What is the expected output of the following snippet?

```
lst = [1,2,3,4]
lst = lst [-3:-2]
lst= lst[-1]
print (lst)
```

A. 1

B. 4

C. 2

D. 3

Correct Answer: C

QUESTION 10

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

A. class Class_4 (D, A) : pass

B. class Class_1(C,D): pass

C. class Class_3(A,C): pass

D. class Class_2(B,D): pass

Correct Answer: AB

QUESTION 11

You need data which can act as a simple telephone directory. You can obtain it with the following clauses (choose two relevant variants; assume that no other items have been created before)

A. dir={\\'Mom\\':5551234567, \\'Dad\\':5557654321>

B. dir={\\'Mom\\':\\'5551234567\\', * Dad\\':\\'5557654321\\'}

C. dir={Mom:5551234567, Dad:5557654321}

D. dir={Mom:\\'5551234567\\', Dad:\\'5557654321\\'}

Correct Answer: CD

QUESTION 12

Which of the following expression evaluate to True? (Select two answers)

A. len(\\'\\\\'? == 1

B. len(""" """) == o

C. chr(ordCA\\') + 1) == \\'B\\'

D. ord("Z") - ord("z") -- ord("0")

Correct Answer: B

QUESTION 13

What is the expected output of the following code?

```
myli = range(-2,2)
m = list(filter(lambda x: True if abs(x) < 1 else False, myli))
print(len(m))
```

A. 4

B. 16

C. an exception is raised

D. 1

Correct Answer: D

QUESTION 14

Which of the following words can be used as a variable name? (Select two valid names)

A. for

B. True

C. true

D. For

Correct Answer: CD

QUESTION 15

Which of the following lambda definitions are correct? (Select two answers)

A. lanbda x, y; return x\\y - x%y

B. lambda x, y: x//y - x%y

C. lambda (x, y = x\\y x%y

D. lambda x, y: (x, y)

Correct Answer: BD

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