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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?

- 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

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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:
<pre>f = open('existing_text_file','w')</pre>
<pre>d = f.readlines()</pre>
<pre>print(len(d))</pre>
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

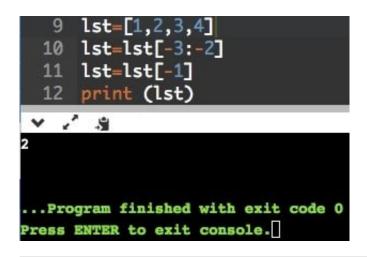
What is the expected output of the following snippet?

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)

```
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_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))</pre>
```

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, $y = x \leq x \leq y$
- D. lambda x, y: (x, y)

Correct Answer: BD

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