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QUESTION 1

Which of the following expressions evaluate to True? (Choose two.)

- A. `121 + 1 != '1' + 2 * '2'`
- B. `'1' + '1' + '1'`
- C. `'AbC'.lower()`
- D. `'3.14' != str(3.1415)`

Correct Answer: BD

QUESTION 2

Assuming that the code below has been executed successfully, which of the following expressions will always evaluate to True? (Choose two.)

```
import random

random.seed(1)
v1 = random.random()
random.seed(1)
v2 = random.random()
```

- A. `v1 >= 1`
- B. `v1 == v2`
- C. `len(random.sample([1,2,3],2)) > 2`
- D. `random.choice([1,2,3]) >= 1`

Correct Answer: AD

QUESTION 3



Assuming that the code below has been executed successfully, which of the expressions evaluate to True? (Choose two.)

```
class Class:
    var = 1
    def __init__(self, value):
        self.prop = value
```

```
Object = Class(2)
```

- A. `var` in Class.__dict__
- B. `var` in Object.__dict__
- C. len(Object.__dict__) == 1
- D. `prop` in Class.__dict__

Correct Answer: AC

QUESTION 4

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 5

Which of the following invocations are valid? (Choose two.)

- A. "python".sort()
- B. sorted("python")
- C. rfind("python", "r")
- D. "python".index("th")

Correct Answer: AD

QUESTION 6

What is the expected behavior of the following code?

```
string = str(1/3)
dummy = ''
for character in string:
    dummy = character + dummy
print(dummy[-1])
```

- A. it raises an exception
- B. it outputs 0
- C. it outputs 3
- D. it outputs 'None'

Correct Answer: A

**QUESTION 7**

How many lines does the following snippet output?

```
for i in range (1, 3):  
    print (“*”, end= “”)  
else:  
    print (“*”)
```

- A. three
- B. one
- C. two
- D. four

Correct Answer: C

QUESTION 8

What will the value of the i variable be when the following loop finishes its execution?

```
for i in range (10):  
    pass
```

- A. 10
- B. the variable becomes unavailable
- C. 11
- D. 9



Correct Answer: B

Reference: <https://www.programiz.com/python-programming/pass-statement>

QUESTION 9

What is the expected output of the following snippet?

```
class Upper:
    def method(self):
        return 'upper'

class Lower(Upper):
    def method(self):
        return 'lower'

Object = Upper()
print(isinstance(Object, Lower), end=' ')
print(Object.method())
```

- A. True upper
- B. True lower
- C. False upper
- D. False lower

Correct Answer: C

QUESTION 10

What is the expected behavior of the following code?



```
x = 3 % 1  
y = 1 if x > 0 else 0  
print (y)
```

- A. the code is erroneous and it will not execute
- B. it outputs 1
- C. it outputs -1
- D. it outputs 0

Correct Answer: D

QUESTION 11

A Python module named pymod.py contains a function named pyfun().

Which of the following snippets will let you invoke the function? (Choose two.)

- A. import pymod pymod.pyfun()
- B. from pymod import pyfun pyfun()
- C. from pymod import * pymod.pyfun()
- D. import pyfun from pymod pyfun()

Correct Answer: AB

Reference: <https://www.tutorialsteacher.com/python/python-module>

QUESTION 12

The following class hierarchy is given. What is the expected out of the code?



```
class A:
    def a (self) :
        print ("A", end= ' ')
    def b (self) :
        self.a ( )

class B (A):
    def a (self) :
        print ("B", end= ' ')
    def do (self):
        self.b ( )

class C (A):
    def a (self):
        print ("C", end= ' ')
    def do (self):
        self.b ( )

B ( ) . do ( )
C ( ) . do ( )
```

- A. BB
- B. CC
- C. AA
- D. BC

Correct Answer: D

QUESTION 13



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 14



What will be the value of the i variable when the while e loop finishes its execution?

```
i=0
while i !=0:
    i=i-1
else:
    i=i+1
|
```

- A. 1
- B. 0
- C. 2
- D. the variable becomes unavailable

Correct Answer: A

QUESTION 15

The `__bases__` property contains:

- A. base class location (addr)
- B. base class objects (class)
- C. base class names (str)
- D. base class ids (int)

Correct Answer: B

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