



Python Institute PCAP-31-03 Practice Questions

Shared by Buck on 09-10-2026

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Question 1

Question Type: MultipleChoice

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

Options:

- 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`

Answer:

D

Question 2

Question Type: MultipleChoice

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))
```

Options:

- A- True False
- B- True True
- C- False False
- D- False True

Answer:

B

Question 3

Question Type: MultipleChoice

What is the expected behavior of the following code?

```
class Class:
    Var = 0
    def __init__(self, var):
        self.var = var
        Class.Var += 1

object_1 = Class(1)
object_2 = Class(2)
print(Class.Var + object_1.var + object_2.var)
```

Options:

- A- it outputs 2
- B- it raises an exception
- C- it outputs 3
- D- it outputs 5

Answer:

D

Question 4

Question Type: MultipleChoice

Which option best expressions evaluate to True? (Select two answers)

Options:

- A- 't'.upper() in 'Thames'
- B- 'in not' in 'not'
- C- 'not' not in 'in'

D- 'a' not in 'ABC' .lower ()

Answer:

A, C

Question 5

Question Type: MultipleChoice

Which line can be used instead of the comment to cause the snippet to produce the following expected output? (Select two answers)

Expected output:

1 2 3

Code:

```
c, b, a = 1, 3, 2
# put line here
print (a, b, c)
```

Options:

A- c, b, a = b, a, c

B- c, b, a = a, c, b

C- a, b, c = c, a, b

D- a, b, c = a, b, c

Answer:

A, C

Question 6

Question Type: MultipleChoice

If you need a function that does nothing, what would you use instead of XXX? (Select two answers)

def idler ():

XXX

Options:

- A- pass
- B- return
- C- exit
- D- None

Answer:

A, D

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Question 7

Question Type: MultipleChoice

Assuming that the math module has been successfully imported, which of the following expressions evaluate to True? (Choose two answers)

Options:

- A- `math.hypot (3,4) == math.sqrt (25)`
- B- `math.hypot (2,5) == math.truec (2.5)`
- C- `math.hypot (2,5) == math.true (2.5)`
- D- `math.cell (2,5) == math.floor (2.5)`

Answer:

A, B

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Question 8

Question Type: MultipleChoice

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

Options:

- A- yes, by using the hasattr attribute
- B- yes. by using the hasattr () method
- C- yes, by using the hasattr () function
- D- no, it is not possible

Answer:

B

Question 9

Question Type: MultipleChoice

Which option best sentences are true? (Select two answers)

Options:

- A- lists may not be stored inside tuples
- B- tuples may be stored inside lists
- C- tuples may not be stored inside tuples
- D- lists may be stored inside lists

Answer:

B, D

Question 10

Question Type: MultipleChoice

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

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

Options:

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

Answer:

A, D

Question 11

Question Type: MultipleChoice

What is the expected behavior of the following code?

```
def f(n):  
    for i in range (1, n+1):  
        yield i  
  
for i in f (2):  
    print (i, end= ' ')
```

It will

Options:

- A- print 2 1
- B- print 1 2
- C- cause a runtime exception
- D- print <generator object f at (some hex digits)>

Answer:

B

Question 12

Question Type: MultipleChoice

Python's built-in function named open () tries to open a file and returns:

Options:

- A- an integer value identifying an opened file
- B- an error code (0 means success)
- C- a stream object

D- always None

Answer:

C

Question 13

Question Type: MultipleChoice

What is the expected output of the following code?

```
str = 'abcdef'
def fun (s) :
    del s [2]
    return s

print (fun (str) )
```

Options:

- A- abcef
- B- The program will cause a runtime exception error
- C- acdef
- D- abdef

Answer:

B

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