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**Vendor:**Python Institute

**Exam Code:**PCAP-31-03

**Exam Name:**Certified Associate in Python  
Programming

**Version:**Demo

### QUESTION 1

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

- A. `len (' ' ' ' ' ') == 2`
- B. `len (' ' ' ' 12 34 ' ' ' ') == 4`
- C. `chr (ord ('z') - 1) == 'Y'`
- D. `ord ('0') - ord ('9') == 10`

Correct Answer: AC

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### QUESTION 2

What is the expected behavior of the following code?

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

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

Correct Answer: D

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### QUESTION 3

What is true about Python packages? (Select two answers)

- A. the `sys.path` variable is a list of strings
- B. `__pycache__` is a folder that stores semi-completed Python modules
- C. a package contents can be stored and distributed as an `mp3` file

D. a code designed to initialize a package's state should be placed inside a file named init.py

Correct Answer: AB

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#### QUESTION 4

If you want to transform a string into a list of words, what invocation would you use? (Select two answers)

Expected output:

```
The, Catcher, in, the Rye,
```

Code:

```
s = "The Catcher in the Rye"  
l = # put a proper invocation here  
for w in l:  
    print (w, end=', ' ) # outputs: The, Catcher, in, the Rye,
```

- A. s.split ()
- B. split (s, "~ ~")
- C. s.split ("~ ~")
- D. split (s)

Correct Answer: AC

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#### QUESTION 5

Assuming that the following code has been executed successfully, selected the expression which evaluate to True (Select two answers)

```
def f (x,y): nom, denom = x, y  
def g():
```

```
    return nom / denom
```

```
    return g  
a = f(1,2) b = f(3,4)
```

- A. a () == 4
- B. a is not None
- C. b () == 4
- D. a != b

Correct Answer: AB

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### QUESTION 6

A compiler is a program designed to (select two answers)

- A. rearrange the source code to make it clearer
- B. check the source code in order to see if its correct
- C. execute the source code
- D. translate the source code into machine code

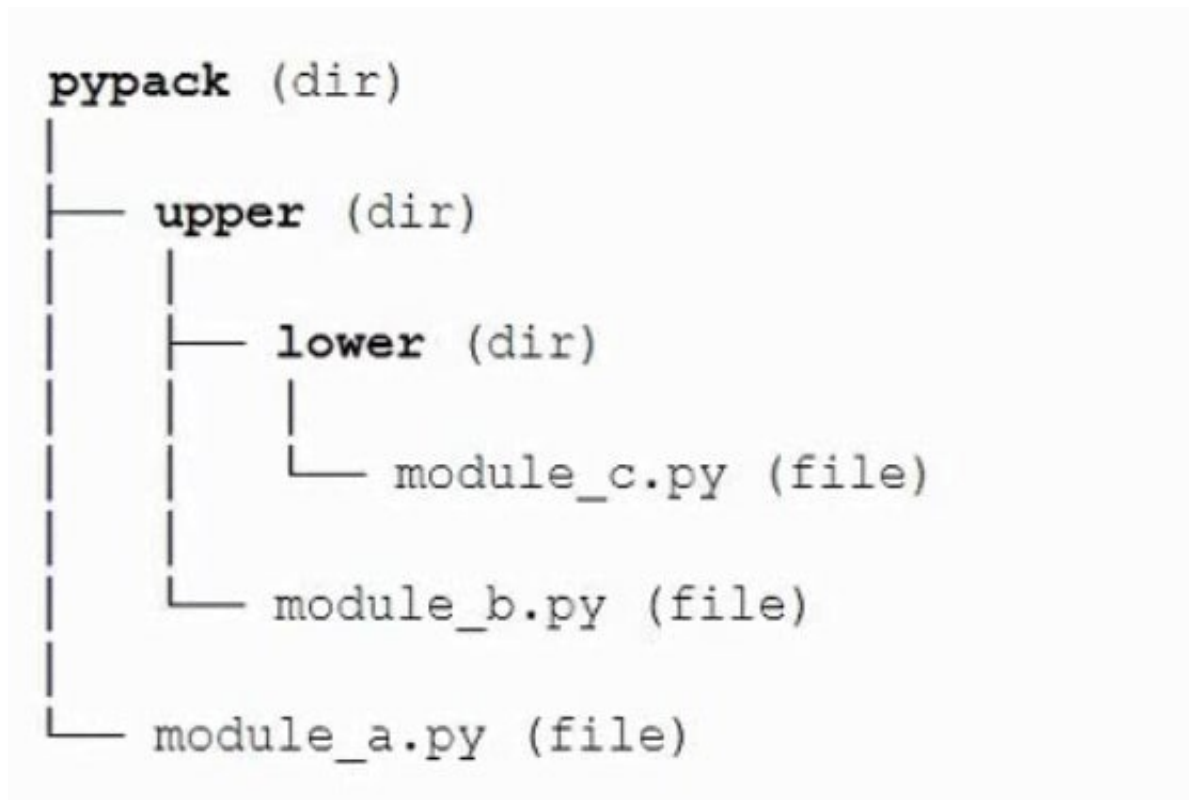
Correct Answer: BD

<https://www.thoughtco.com/what-is-a-compiler-958322>

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### QUESTION 7

With regards to the directory structure below, select the proper forms of the directives in order to import `module_a`. (Select two answers)



- A. `import pypack.module_a`
- B. `import module_a from pypack`
- C. `import module_a`

D. from pypack import module\_a

Correct Answer: AD

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### QUESTION 8

The simplest possible class definition in Python can be expressed as:

A. class X:

B. class X: pass

C. class X: return

D. class X: {}

Correct Answer: A

Reference: <https://docs.python.org/3/tutorial/classes.html>

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### QUESTION 9

Which of the following snippets will execute without raising any unhandled exceptions? (Select answers)

A.

```
try:
    print(int("0"))
except NameError:
    print("0")
else:
    print(int(""))
```

B.

```
try:
    print(0/0)
except:
    print(0/1)
else:
    print(0/2)
```

C.

```
import math

try:
    print(math.sqrt(-1))
except:
    print(math.sqrt(0))
else:
    print(math.sqrt(1))
```

D.

```
try:
    print(float("1e1"))
except (NameError, SystemError):
    print(float("1a1"))
else:
    print(float("1c1"))
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: BCD

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#### QUESTION 10

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

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#### QUESTION 11

What is the expected behavior of the following code?

```
def foo(x):  
    return -x if x > 0 else x  
  
print(foo(-2))
```

- A. it outputs -2
- B. it outputs 2. 0
- C. it outputs 0. 0
- D. the code is erroneous and it will not execute

Correct Answer: A

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#### QUESTION 12

What is the expected behavior of the following code?

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

It will:

- A. print 4321
- B. print
- C. cause a runtime exception
- D. print 1234

Correct Answer: B



```
9 def f(n):  
10     for i in range(1,n+1):  
11         yield I  
12  
13 print(f(2))
```

  
<generator object f at 0x7f8002e74ab0>

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