

PCAP-31-03^{Q&As}

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QUESTION 1

Assuming that the code below has been placed inside a file named code.py and executed successfully which of the following expressions evaluate to True? (Select two answers)

```
class ClassA:
    var = 1
    def __init__(self, prop):
        prop1 = prop2 = prop

class ClassB(ClassA):
    def __init__(self, prop):
        prop3 = prop ** 2
        super().__init__(prop)
    def __str__(self):
        return 'Object'
```

- A. str (Object) = \"Object1
- B. Class A.__module__ == \"__main__\"
- C. len (ClassB.__bases__) == 2
- D. __name__ == \"__main__\"

Correct Answer: BC

QUESTION 2

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

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

class B(A):
    VarA = 2
    def __init__(self):
        super().__init__()
        self.prop_b = 2

obj_a = A()
obj_aa = A()
obj_b = B()
obj_bb = obj_b
```

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- A. isinstance (obj_b,A)
- B. A.VarA == 1
- C. obj_a is obj_aa
- D. B.VarA == 1

Correct Answer: AC

QUESTION 3

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

- A. lambda X : None
- B. lambda : 3,1415
- C. lambda x : def fun(x): return x
- D. lambda lambda: lambda * lambda

Correct Answer: AB

QUESTION 4

What is a true about python class constructors? (Select two answers)

- A. the constructor must have at least one parameter
- B. the constructor must return a value other than None
- C. the constructor is a method named `_init_`
- D. there can the more than one constructor in a Python class.

Correct Answer: AC

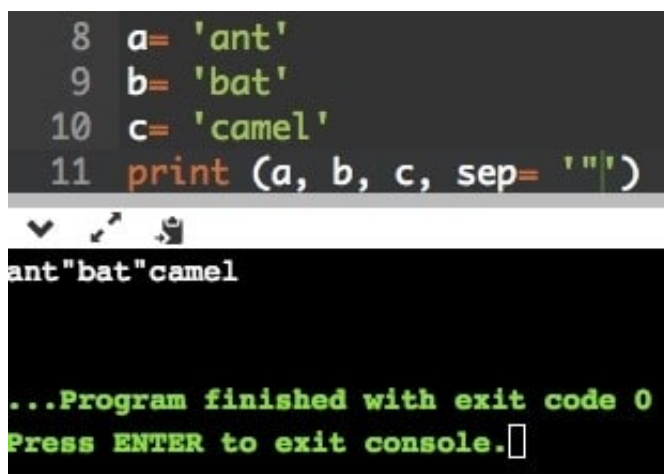
QUESTION 5

What is the output of the following piece of code?

```
a= 'ant'  
b= "bat"  
c= 'camel'  
print (a, b, c, sep= '')
```

- A. ant\\'bat\\'camel
- B. ant"bat"camel
- C. antbatcamel
- D. ant bat camel

Correct Answer: B



```
8 a= 'ant'  
9 b= 'bat'  
10 c= 'camel'  
11 print (a, b, c, sep= '')
```

ant"bat"camel

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

QUESTION 6

What is the expected behavior of the following code?

```
x - 3 % 1
```

```
y -1 if x > else 0
```

```
print (y)
```

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

Correct Answer: D

QUESTION 7

What is the expected behavior of the following code?

```
my_list = [i for i in range(5, 0, -1)]  
m = [my_list[i] for i in range(5) if my_list[i] % 2 == 0]  
print (m)
```

- A. the code is erroneous and it will not execute
- B. it outputs [2, 4]
- C. it outputs [4, 2]
- D. it outputs [0, 1, 2, 3, 4]

Correct Answer: C

QUESTION 8

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

- A. the `__name__` variable always contains the name of a package
- B. a package is a group of related modules
- C. the `.pyc` extension is used to mark semi-compiled Python packages

D. a package is a single file whose name ends with the pa extension

Correct Answer: BC

QUESTION 9

What is the expected behavior of the following code?

```
string = '123'  
dummy = 0  
for character in reversed(string):  
    dummy += int(character)  
print(dummy)
```

- A. It outputs 123
- B. it raises an exception
- C. it outputs 321
- D. it outputs 6

Correct Answer: D

QUESTION 10

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

- A. lambda 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

QUESTION 11

Which of the following statements are true? (Select two answers)

- A. a code point is a point inside the code when execution stops immediately
- B. an escape sequence can be recognized by the # sign put in front of it.
- C. UTF-8 is one of the ways of representing UNICODE code points.

D. ASCII is the name of a character coding standard

Correct Answer: AD

QUESTION 12

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 13

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

QUESTION 14

What is the expected output of the following snippet?

```
s= 'abc'  
for i in len(s):  
    s[i] = s[i].upper ( )  
print(s)
```

- A. abc
- B. The code will cause a runtime exception
- C. ABC
- D. 123

Correct Answer: B

```
9 | s='abc'  
10 | for i in len(s):  
11 |     s[i] = s[i].upper()  
12 | print(s)
```

Traceback (most recent call last):
File "/home/main.py", line 10, in <module>
for i in len(s):
TypeError: 'int' object is not iterable

...Program finished with exit code 1
Press ENTER to exit console. □

QUESTION 15

What is the expected output of the following code?


```
mytu = ('a', 'b', 'c')  
m = tuple(map(lambda x: chr(ord(x) + 1), mytu))  
print(m[-2])
```

- A. a
- B. an exception is raised
- C. b
- D. c

Correct Answer: D

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