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PCAP – Programming Essentials in Python Quizzes Module 2 Test Answers

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PCAP – Programming Essentials in Python Quizzes **Module 2 Test Answers**

1. An operator able to check whether two values are equal is coded as:

- =
- ===
- ==
- !=

2. The value eventually assigned to x is equal to:

```
x = 1
x = x == x
```

- False
- 1
- True
- 0

3. How many stars will the following snippet send to the console?

```
i = 0
while i <= 3 :
    i += 2
    print("*")
```

- two
- zero
- one
- three

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[HOTSPOT You need to evaluate the output of the following code segment. Line numbers are included for reference only.](#)
[HOTSPOT You write the following Java program for Munson's Pickles and](#)

4. How many stars will the following snippet send to the console?

```
i = 0
while i <= 5 :
    i += 1
    if i % 2 == 0:
        break
    print("*")
```

- zero
- **one**
- two
- three

5. How many hashes will the following snippet send to the console?

```
for i in range(1):
    print("#")
else:
    print("#")
```

- one
- **two**
- zero
- three

6. How many hashes will the following snippet send to the console?

```
var = 0
while var < 6:
    var += 1
    if var % 2 == 0:
        continue
    print("#")
```

- two
- zero
- one
- **three**

7. How many hashes will the following snippet send to the console?

```
var = 1
while var < 10:
    print("#")
    var = var << 1
```

- eight
- one

Preserves Farm. Line numbers are included for reference only.

The question requires that you evaluate the underlined text to determine if it is correct.

HOTSPOT You are writing a Java class named `SavingsAccount`.

- four
- two

8. What value will be assigned to the x variable?

```
z = 10
y = 0
x = y < z and z > y or y > z and z < y
```

- 0
- 1
- True
- False

9. What is the output of the following snippet?

```
a = 1
b = 0
c = a & b
d = a | b
e = a ^ b
print(c + d + e)
```

- 1
- 3
- 2
- 0

10. What is the output of the following snippet?

```
lst = [3, 1, -2]
print(lst[lst[-1]])
```

- 1
- -2
- 3
- -1

11. What is the output of the following snippet?

```
lst = [1,2,3,4]
print(lst[-3:-2])
```

- [2,3,4]
- [2]
- []
- [2,3]

12. The second assignment:

```
vals = [0, 1, 2]
vals[0], vals[2] = vals[2], vals[0]
```

- doesn't change the list
- extends the list
- shortens the list

- **reverses the list**

13. After execution of the following snippet, the sum of all vals elements will be equal to:

```
vals = [0, 1, 2]
vals.insert(0,1)
del vals[1]
```

- 2
- 5
- 3
- **4**

14. Take a look at the snippet, and choose the true statement:

```
nums = [1,2,3]
vals = nums
del vals[1:2]
```

- nums is longer than vals
- vals is longer than nums
- **nums and vals are of the same length**
- the snippet will cause a runtime error

15. Which of the following sentences is true?

```
nums = [1,2,3]
vals = nums[-1:-2]
```

- **nums is longer than vals**
- nums and vals are of the same length
- the snippet will cause a runtime error
- vals is longer than nums

16. What is the output of the following snippet?

```
l1 = [1,2,3]
l2 = []
for v in l1:
    l2.insert(0,v)
print(l2)
```

- **[3,2,1]**
- [1,2,3]
- [3,3,3]
- [1,1,1]

17. What is the output of the following snippet?

```
l1 = [1,2,3]
for v in range(len(l1)):
    l1.insert(1,l1[v])
print(l1)
```

- [1, 2, 3, 3, 2, 1]
- [1, 2, 3, 1, 2, 3]
- [3, 2, 1, 1, 2, 3]
- [1, 1, 1, 1, 2, 3]

18. How many elements does the L list contain?

```
L = [i for i in range(-1,2)]
```

- one
- four
- three
- two

19. What is the output of the following snippet?

```
T = [[3-i for i in range (3)] for j in range (3)]  
s = 0  
for i in range(3):  
s += T[i][i]  
print(s)
```

- 4
- 2
- 7
- 6

20. What is the output of the following snippet?

```
L = [[0, 1, 2, 3] for i in range(2)]  
print(L[2][0])
```

- the snippet will cause a runtime error
- 1
- 2
- 0