

1. In Python what statement would print out the first two elements “Li” of “Lizz”? 1 / 1 point

- ☐ print(name[1:2])
- ☐ print(name[2:0])
- ☒ print(name[0:2])

☒ Correct

2. When slicing in Python what does the “2” in [::2] specify? 1 / 1 point

- ☐ It specifies the position to end the slice
- ☒ It specifies the step of the slicing
- ☐ It specifies the position to start the slice

☒ Correct

3. What is the Python find() method used for? 1 / 1 point

- ☐ The method finds the ending index of a substring
- ☐ The method finds every second index of a substring
- ☒ The method finds the starting index of a substring

☒ Correct

4. In Python what represents real numbers and is written with a decimal point? 1 / 1 point

- ☐ str
- ☒ float
- ☐ int

☒ Correct

5. What following code segment would return a 3? 1 / 1 point

- ☐ str(3.99)
- ☐ float(3.99)
- ☒ int(3.99)

☒ Correct

6. What following code segment would produce an output of “0”? 1 / 1 point

- ☐ 1/2  
☒ 1//2

☒ Correct

7. In Python 3 what following code segment will produce a float?

1 / 1 point

- ☐ 2//3  
☒ 1/2

☒ Correct

8. Dictionary items can be:

1 / 1 point

- ☐ Stored in duplicate keys  
☐ Only one data type  
☒ Numerous data types

☒ Correct

9. What is a tuple?

1 / 1 point

- ☐ A collection that is unordered and changeable  
☒ A collection that is ordered and unchangeable  
☐ A collection that is ordered and changeable

☒ Correct

10. What does the split() method return from a list of words?

1 / 1 point

- ☐ The list in one long string  
☐ The list of words separated by a colon  
☒ The list of words in a string separated by a delimiter  
☐ The list of words in reverse order

☒ Correct

11. Tuples are:

1 / 1 point

- ☐ Unordered  
☐ Not indexed  
☐ Mutable  
☒ Not mutable

☒ Correct

12. What happens with this segment of code: `a=set(A)` ?

1 / 1 point

- ☐ It casts the list "a" to the set "A"
- ☒ It casts the list "A" to the set "a"
- ☐ It returns an error

☒ Correct

13. If `x=1` what will produce the below output?

1 / 1 point

Hi  
Mike

- ☐

```
if(x==1):  
    print('Hello')  
else:  
    print('Hi')  
    print('Mike')
```
- ☒

```
if(x!=1):  
    print('Hello')  
else:  
    print('Hi')  
    print('Mike')
```
- ☐

```
if(x!=1):  
    print('Hi')  
else:  
    print('Hello')  
    print('Mike')
```

☒ Correct

14. Why is the "finally" statement used?

1 / 1 point

- ☐ Only execute the remaining code if an error occurs
- ☐ Only execute the remaining code if one condition is false
- ☒ Execute the remaining code no matter the end result
- ☐ Only execute the remaining code if no errors occur

☒ Correct

15. What add function would return '11' ?

1 / 1 point

- ☒ `def add(x): return(x+x) add('1')`
- ☐ `def add(x): return(x+x+x) add('1')`

☐ def add(x): return(x+x) add(1)

☒ Correct

16. What method organizes the elements in a given list in a specific descending or ascending order?

1 / 1 point

- ☒ sort()
- ☐ replace()
- ☐ split()
- ☐ join()

☒ Correct

17. What is the output for the below line of code?

1 / 1 point

A=[8,5,2] for a in A: print(12-a)

- ☐ 88888888888888  
55555555555555  
22222222222222
- ☐ 8  
5  
2  
4  
7  
10

☒ Correct

18. What code segment would output the following?

1 / 1 point

1  
3  
4

- ☐ for i in range(1,5): if (i!=1): print(i)
- ☒ for i in range(1,5): if (i!=2): print(i)
- ☐ for i in range(1,5): if (i==2): print(i)

☒ Correct

19. What is the height of the rectangle in the class Rectangle?

1 / 1 point

```
class Rectangle(object):
    def __init__(self,width=2,height =3,color='r'):
        self.height=height
        self.width=width
        self.color=color
    def drawRectangle(self):
        import matplotlib.pyplot as plt
```

```
plt.gca().add_patch(plt.Rectangle((0, 0),self.width, self.height ,fc=self.color))
plt.axis('scaled')
plt.show()
```

- ☐ 0
- ☐ 2
- ☒ 3

☒ Correct

20. What is the result of the following lines of code?

1 / 1 point

```
a=np.array([0,1,0,1,0]) b=np.array([1,0,1,0,1]) a*b
```

- ☐ 0
- ☐ array([1, 1, 1, 1, 1])
- ☒ array([0, 0, 0, 0, 0])

☒ Correct

21. What is the result of the following lines of code?

1 / 1 point

```
a=np.array([1,1,1,1,1]) a+1
```

- ☐ array([1,1,1,1,1])
- ☒ array([2,2,2,2,2])
- ☐ array([11, 11, 11, 11, 11])

☒ Correct

22. What is a two-dimensional data structure?

1 / 1 point

- ☐ Numpy
- ☐ Pandas Series
- ☒ Pandas Dataframe

☒ Correct

23. Consider the file object: File1.What would the following line of code output?

1 / 1 point

```
file1.readline(4)
```

- ☐ It would output the entire text file
- ☐ It would output the first 4 lines from the text file
- ☒ It would output the first 4 characters from the text file

☒ Correct

24. Consider the following line of code:  
with open("Example.txt","a") as file1:

What mode is the file object in?

- ☒ append
- ☐ read
- ☐ write

☒ Correct

25. What does URL stand for?

1 / 1 point

- ☐ Uniform Reset Locator
- ☐ Uniform Resource Location
- ☒ Uniform Resource Locator

☒ Correct