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Final Exam

Graded Quiz • 1h 15m

Due Oct 4, 12:29 PM +0530

Final Exam

Latest Submission Grade 80%

1. In Python what statement would print out the first two elements "Li" of "Lizz"?

1 / 1 point

☐ print(name[2:0])

☒ print(name[0:2])

☐ print(name[1:2])

✓ Correct

2. When slicing in Python what does the "2" in `::2` specify?

1 / 1 point

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

✓ Correct

3. Consider the string `Name="ABCDE"`, what is the result of the following operation `Name.find("B")`?

1 / 1 point

- ☒ 1
- ☐ 2

3. Consider the string **Name="ABCDE"**, what is the result of the following operation **Name.find("B")** ?

1 / 1 point

☒ 1☐ 2☐ 0 Correct

4. What is the type of the following: **1.0**

1 / 1 point

☐ str☒ float

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4. What is the type of the following: **1.0**

1 / 1 point

☐ str

☒ float

☐ int

☒ **Correct**

5. What is the result of the following code segment: **int(3.99)**

1 / 1 point

☒ 3

☐ 3.99

☐ 4

5. What is the result of the following code segment: `int(3.99)`

1 / 1 point

☒ 3☐ 3.99☐ 4☒ Correct

6. What following code segment would produce an output of "0"?

1 / 1 point

☐ 1/2☒ 1//2

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

☒ 1/2

☐ 2//3

✓ Correct

8. Dictionary items can be:

0 / 1 point

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

✗ Incorrect

9. What is a tuple?

1 / 1 point

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

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9. What is a tuple?

1 / 1 point

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

✓ Correct

10. What is the result of the following operation: `'1,2,3,4'.split(',')` ?

1 / 1 point

- ☐ '1234'
- ☐ ('1','2','3','4')

10. What is the result of the following operation: `'1,2,3,4'.split(',')` ?

1 / 1 point

- ☐ '1234'
- ☐ ('1','2','3','4')
- ☒ ['1','2','3','4']
- ☐ '1','2','3','4'

✓ Correct

11. Tuples are:

1 / 1 point

- ☐ Not indexed

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11. Tuples are:

1 / 1 point

☐ Not indexed

☐ Unordered

☒ Not mutable

☐ Mutable



Correct

12. How do you cast the list **A** to the set **a**?

1 / 1 point

☒ a=set(A)

12. How do you cast the list **A** to the set **a**?

1 / 1 point

☒ a=set(A)

☐ a=A.dict()

☐ a.set()

✓ Correct

13. What value of x will produce the following output?

0 / 1 point

How are you?

```
1 x=  
2 if(x!=1):  
3     print("How are you?")
```

13. What value of x will produce the following output?

0 / 1 point

How are you?

```
1 x=  
2 if(x!=1):  
3     print('How are you?')  
4 else:  
5     print('Hi')
```

☐ x="7"

☐ x=6

☒ x=1

⊗ Incorrect

14. What statement will execute the remaining code no matter the end result?

1 / 1 point

- ☐ If
- ☒ Finally
- ☐ For
- ☐ While

✓ Correct

15. What add function would return '11' ?

0 / 1 point

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

 Correct

15. What add function would return '11'?

0 / 1 point

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

 Incorrect

16. A list cannot be sorted if it contains:

1 / 1 point

- ☐ only strings

16. A list cannot be sorted if it contains:

1 / 1 point

- ☐ only strings
- ☐ concatenated strings
- ☒ strings and numeric values
- ☐ only numeric values

✓ Correct

17. What is the output of the following few lines of code?

1 / 1 point

```
A=['1','2','3']  
for a in A: print(2*a)
```

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17. What is the output of the following few lines of code?

1 / 1 point

```
A=['1','2','3'] for a in A: print(2*a)
```

- ☒ 11
- ☐ 22
- ☐ 33
- ☐ 2
- ☐ 4
- ☐ 6
- ☐ error: cannot multiply a string by an integer

☒ **Correct**

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18. What code segment would output the following?

0 / 1 point

2

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)

 **Incorrect**



19. What is the width 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()
```

☒ 2

☐ 3

☐ 0



Correct

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

1 / 1 point



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([11, 11, 11, 11, 11])



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([11, 11, 11, 11, 11])

☒ array([2,2,2,2,2])

☐ array([1,1,1,1,1])



Correct

22. What does the following line of code select along with the headers 'Artist', 'Length' and 'Genre' from the dataframe **df**?

0 / 1 point

```
y=df[['Artist','Length','Genre']]
```

☒ The entire dataframe

22. What does the following line of code select along with the headers 'Artist', 'Length' and 'Genre' from the dataframe **df**?

0 / 1 point

```
y=df[['Artist','Length','Genre']]
```

☒ The entire dataframe

☐ Columns

☐ Rows

✗ Incorrect

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

1 / 1 point

```
for n in range(0,2): print(file1.readline())
```

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

1 / 1 point

```
for n in range(0,2): print(file1.readline())
```

- ☒ It would output the first 2 lines from the text file
- ☐ It would output the entire text file
- ☐ It would output 2 characters from the text file

**Correct**

24. Consider the following line of code:

1 / 1 point

```
with open("Example.txt","a") as file1:
```

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24. Consider the following line of code:

1 / 1 point

```
with open("Example.txt","a") as file1:
```

What mode is the file object in?

☒ append

☐ write

☐ read

Correct

25. What are the 3 parts to a URL?

1 / 1 point

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read

**Correct****25.** What are the 3 parts to a URL?**1 / 1 point**

Scheme, internet address, and route



Block, post, and route



Get, post, and scheme



Put, route, and get

**Correct**