Final Exam

Due Feb 19, 11:59 PM +07 Graded Quiz • 1h 15m Congratulations! You passed! Go to next item Grade **Latest Submission** To pass 75% or received 100% Grade 100% higher 1. When slicing in Python what does the "2" in this statement [0:2] specify? 1/1 point It specifies the step of the slicing O It specifies the position to start the slice It specifies the position to end the slice **⊘** Correct 2. If var = "01234567" what Python statement would print out only the odd elements? 1/1 point oprint(var[3::1]) print(var[1::2]) oprint(var[2::2]) **⊘** Correct 3. What is the Python find() method used for? 1/1 point The method finds every second index of a substring The method finds the starting index of a substring The method finds the ending index of a substring **⊘** Correct 4. In Python what can be either a positive or negative number but does not contain a decimal point? 1/1 point O str int O float **⊘** Correct 5. What will happen if you cast a float to an integer? 1/1 point It will remove decimal point O An error will occur O Nothing happens **⊘** Correct 6. What following code segment would produce an output of "0"? 1/1 point 0 1/2 1//2 **⊘** Correct 7. In Python 3 what does regular division always result in? 1/1 point Float O Int **⊘** Correct 8. A dictionary must have what type of keys? 1/1 point Unique O Duplicate O Not changeable **⊘** Correct 9. What will this code segment "A[0]" obtain from a list or tuple? 1/1 point The second element of a list or tuple The first element of a list or tuple The third element of a list or tuple **⊘** Correct 10. What line of code would produce this output: ['1','2','3','4']? 1/1 point 1,2,3,4'.reverse(',') (',') (':') (',') **⊘** Correct 11. What is an important difference between lists and tuples? 1/1 point Lists and tuples are the same O Tuples can only have integers Lists are mutable tuples are not Lists can't contain a string **⊘** Correct 12. What is a collection that is unordered, unindexed and does not allow duplicate members? 1/1 point O List O Tuple Set **⊘** Correct 13. What value of x will produce the following output? 1/1 point How are you? 2 if(x!=1): 3 print('How are you?') else: print('Hi') O x=1 x=6 O x="7" **⊘** 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 no errors occur Only execute the remaining code if one condition is false Execute the remaining code no matter the end result **⊘** Correct 15. What add function would return '4'? 1/1 point def add(x): return(x+x+x) add('1') def add(x): return(x+x) add(2) def add(x): return(x+x) add('4') **⊘** Correct 16. What method organizes the elements in a given list in a specific descending or ascending order? 1/1 point o split() O join() replace() sort()

⊘ Correct

4

0 8

5

⊘ Correct

2

3

3

⊘ Correct

class Rectangle(object):

def drawRectangle(self):

plt.axis('scaled')

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

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

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

plt.show()

0

3

⊘ Correct

Division by zero error

array([0.1, 1.0, 0.1, 1.0, 0.1])

a=np.array([1,1,1,1,1]) a+10

array([10,10,10,10,10])

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

22. What is a two-dimensional data structure?

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

It would output the entire text file

24. Which line of code is in the mode of append?

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

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

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

25. What is scheme, internet address and route a part of?

O It would output 2 characters from the text file

It would output the first 2 lines from the text file

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

array([1,1,1,1,1])

⊘ Correct

Numpy

O Pandas Series

⊘ Correct

⊘ Correct

⊘ Correct

URL

O Text file

Error message

⊘ Correct

Pandas Dataframe

O array([1, 1, 1, 1, 1])

⊘ Correct

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

def __init__(self,width=2,height =3,color='r'):

self.height=height

import matplotlib.pyplot as plt

 $plt.gca().add_patch(plt.Rectangle((0,0),self.width,self.height,fc=self.color))\\$

self.width=width

self.color=color

1

18. What is the output of the following?

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

10

8888888888

55555555555

22222222222

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

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

1/1 point

1/1 point