Final Exam

Latest Submission Grade 92%

1.

Question 1

In Python, if you executed **name = 'Lizz'**, what would be the output of **print(name[0:2])**?

1 / 1 point

L

Lizz

Li

Correct

2.

Question 2

If **var** = "**01234567**" what Python statement would print out only the odd elements?

1 / 1 point

print(var[3::1])

print(var[2::2])

print(var[1::2])

Correct

3.

Question 3

Consider the string Name="EMILY", what statement would return the index of 3?

1 / 1 point

Name.find("L")

Name.find("Y")

Name.find("M")

Correct

4.

Question 4

In Python what can be either a positive or negative number but does not contain a decimal point?

1 / 1 point

str

int

float

Correct

5.

Question 5

What following code segment would return a 3?

1 / 1 point

str(3.99)

float(3.99)

int(3.99)

Correct

6.

Question 6

What following code segment would produce an output of “0.5”?

1 / 1 point

1//2

1/2

Correct

7.

Question 7

In Python 3, what is the type of the variable x after the following: **x=2/2** ?

1 / 1 point

float

int

Correct

8.

Question 8

A dictionary must have what type of keys?

1 / 1 point

- (•) Unique
- ( ) Not changeable
- ( ) Duplicate

Correct

9.

Question 9

What is the syntax to obtain the first element of the tuple?

A=('a','b','c')

1 / 1 point

- ( ) A[:]
- ( ) A[1]
- (•) A[0]

Correct

10.

Question 10

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

1 / 1 point

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

Correct

11.

Question 11

Lists are:

1 / 1 point

Not indexed

Not mutable

Mutable

Unordered

Correct

12.

Question 12

What happens with this segment of code: **a=set(A)** ?

0 / 1 point

It returns an error

It casts the list “A” to the set “a”

It casts the list “a” to the set “A”

Incorrect

13.

Question 13

What value of x will produce the following output?

How are you?

```
x=

if(x!=1):

 print('How are you?')

else:

 print('Hi')
```

1 / 1 point

x="7"

x=6

x=1

Correct

14.

Question 14

What is an error that occurs during the execution of code?

0 / 1 point

Finally

Exception handling

Exception

Error messages

Incorrect

15.

Question 15

Given the function add shown below, what does the following return?

def add(x): return(x+x) add('1')

1 / 1 point

2

'2'

'11'

Correct

16.

Question 16

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

1 / 1 point

replace()

join()

sort()

split()

Correct

17.

Question 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

4

7

10

888888888888

555555555555

222222222222

8

5

2

Correct

18.

Question 18

What code segment would output the following?

1

3

4

1 / 1 point

- [x] for i in range(1,5): if (i!=2): print(i)
- [ ] for i in range(1,5): if (i!=1): print(i)
- [ ] for i in range(1,5): if (i==2): print(i)

Correct

19.

Question 19

What is the width of the rectangle in the class Rectangle?

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()

1 / 1 point

- [ ] 3
- [x] 2
- [ ] 0

Correct

20.

Question 20

What line of code would produce the following: array([0, 0, 0, 0, 0]) ?

1 / 1 point

- [x] a=np.array([0,1,0,1,0]) b=np.array([1,0,1,0,1]) a*b
- [ ] a=np.array([0,1,0,1,0]) b=np.array([1,0,1,0,1]) a+b

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

Correct

21.

Question 21

What is the result of the following lines of code?

a=np.array([10,9,8,7,6]) a+1

1 / 1 point

array([101,91,81,71,61])

array([11,10,9,8,7])

array([9, 8, 7, 6, 5])

Correct

22.

Question 22

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

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

1 / 1 point

Rows

Columns

The entire dataframe

Correct

23.

Question 23

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

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

1 / 1 point

It would output the entire text file

It would output 2 characters from the text file

It would output the first 2 lines from the text file

Correct

24.

Question 24

Consider the following line of code:

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

What mode is the file object in?

1 / 1 point

write

read

append

Correct

25.

Question 25

What does URL stand for?

1 / 1 point

Uniform Reset Locator

Uniform Resource Location

Uniform Resource Locator

Correct