Test - 1 for Data Analytics @5.30 PM

Total points 14/28 ?



Name M Sai Charan Kumar 0/1

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X 1Q) Which of the following data types is immutable in Python?

- a) List
- b) Tuple
- c) Set

d) Dictionary

Correct answer

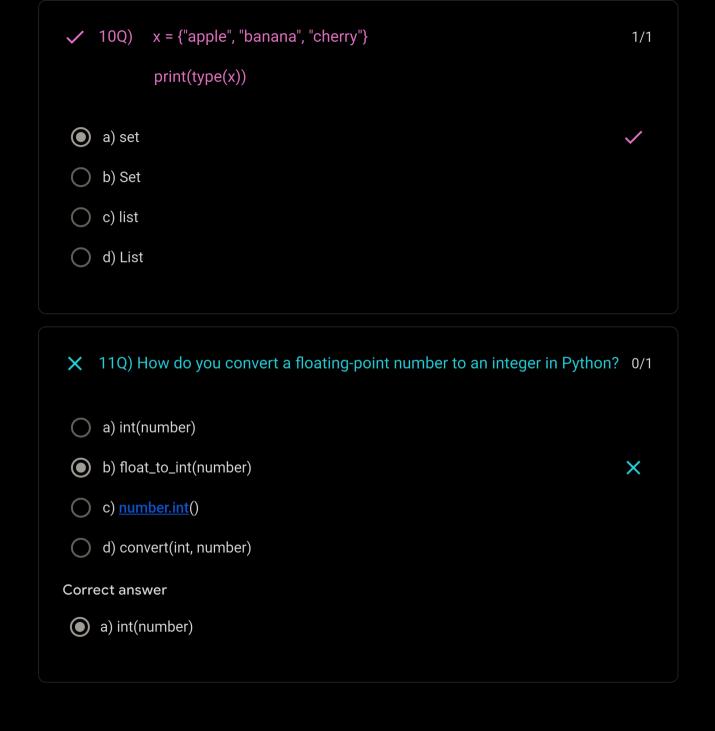
b) Tuple

2Q) What is the output of the following code? x = "Hello" print(x[1:4])	1/1
a) "Hell"	
O b) "ello"	
o c) "ell"	✓
d) Error	
★ 3Q) Which of the following cannot be a Python variable name?	0/1
a) Int_1	×
ob) true	
C) var-2	
c) var-2 d) name3	
d) name3	

✓ 4Q) Which of the following is not a Python Data Type? 1/1 a) int b) string c) char d) Set X 5Q) What is the output of the following code? 0/1 list1=['a','b','g',1,5] print(list1.pop) (a) 5 b) ['a','b','g',1] **o** c) ['b','g',1,5] × d) Syntax error Correct answer **a**) 5

✓ 6Q) num=4+0j	1/1
print(type(num))	
a) int	
b) float	
o c) complex	✓
d) Real	
X 7Q) Which of the following gives the output as "ello" from name="Hello World!"?	0, 0/1
a) print(name[1:5])	
b) print(name[1:4])	×
c) print(name[2:5])	
d) print(name[2:6])	
Correct answer	
a) print(name[1:5])	

✓ 8Q) set1={1,5,6,4,3}
 print(set1)
 a) {1, 3, 4, 5, 6}
 b) {1,5,6,4,3}
 c) 1,5,6,4,3
 d) (1,5,6,4,3)



 \times 12Q) x = [1, 2, 3] 0/1

y = x.copy()

x.append(4)

print(y)

- (a) [1, 2, 3]
- (b) [1, 2, 3, 4]
- **o** c) [1, 2, 3, 4, 4]
- d) [1, 2, 3, 3]

Correct answer

(a) [1, 2, 3]

✓ 13Q) What is the purpose of the enumerate() function in Python? 1/1

X

- a) To get the index and value of each item in an iterable
- b) To count the occurrences of an element in an iterable
- c) To enumerate through a list
- (a) To enumerate through a dictionary

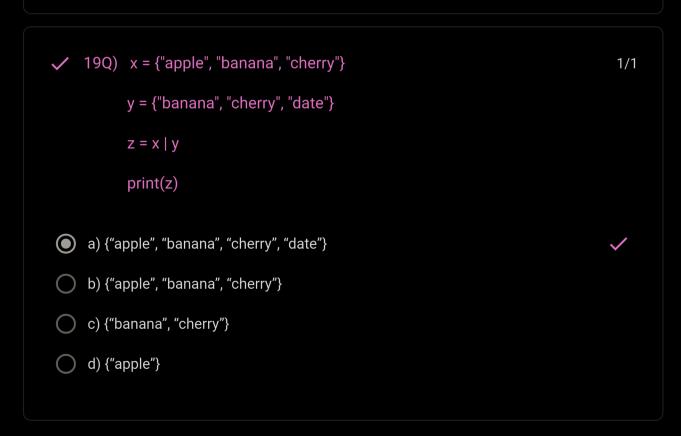
√ 14Q) What is the output of the following code? 1/1 x = [1, 2, 3, 4]y = filter(lambda a: a % 2 == 0, x)print(list(y)) (a) [1, 3] **b**) [2, 4] c) [1, 2, 3, 4] (b (X 15Q) What is the purpose of the __dict__ attribute in Python? 0/1 a) To access the dictionary of a list b) To access the dictionary of a class or module c) To define a dictionary in Python X d) To convert a dictionary to a list

Correct answer

(b) To access the dictionary of a class or module

✓ 16Q) Which of the following statements about Python strings is true? 1/1 a) Strings in Python are mutable. b) Strings can only contain numeric characters. • c) Strings can be concatenated using the "+" operator. d) Strings can be accessed by numerical indices. **X** 17Q) x = "hello" 0/1 y = x.replace("I", "L", 1) print(y) a) hello × b) helLo c) heLLo d) heLo Correct answer (d) heLo

✓ 18Q) x = 11, y = 3
 what is z = x**y?
 a) 33
 b) 121
 c) 14
 d) 1331
 ✓



X 20Q) What will be the output of the following code snippet? 0/1 x = 10y = "20" print(str(x) + y)(a) 30 b) "1020" c) Error × (d) "10200" Correct answer **(b)** "1020"

✓ 21Q) Find out and display the area of a rectangle of sides 45 and 76 1/1 respectively. (Note: Area of rectangle = length * width) **a**) 3420 (b) 3240 c) 3020 d) 3402 \checkmark 22Q) Find the area of a circle whose radius is 8.9. Take pi = 3.14 1/1 (Note: Formula for the area of a circle is (pi × radius × radius)) a) 248.71940000000004 b) 248 c) 248.00 d) 0

🗶 23Q) Declare two variables a and b 0/1 Assign Learning to a and is fun! to b Display the sentence "Learning is fun!" using variables a and b in a single line? a) Print(a + b) × b) print(a*b) c) print(a) , print(b) d) print(a , b) Correct answer d) print(a, b)

24Q) Select all the right ways to create a string literal Ault'Kelly?
a) str1 = 'Ault\\'Kelly'
b) str1 = 'Ault\'Kelly'
d) All Correct
Correct answer
b) str1 = 'Ault\'Kelly'
c) str1 = """Ault\'Kelly"
c) str1 = """Ault\'Kelly"

X 25Q) def func1(): 0/1 x = 50return x func1() print(x) a) 50 × b) NameError C) None O (D) 0 Correct answer **b**) NameError

✓ 26Q) What is the output of the following code snippet?

1/1

1/1

x = [1, 2, 3]

y = x[:]

x[0] = 4

print(y)

a) [1, 2, 3]

b) [4, 2, 3]

c) [1, 2, 3, 4]

d) [4, 2, 3, 4]

✓ 27Q) What is the correct way to comment a single line in Python?

- a) // This is a comment
- **b**) # This is a comment

c) /* This is a comment */

d) -- This is a comment

X 28Q) What will be the output of the following code snippet? 0/1 x = (1, 2, 3)y = x * 2print(y) a) (1, 2, 3, 1, 2, 3) b) (1, 2, 3, 3, 2, 1) **o** c) (2, 4, 6) × (1, 2, 3) Correct answer (1, 2, 3, 1, 2, 3)

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