CODE WAR 2k17

Qualifiers Round Language:Python

Time: 15 min Marks: +2 for correct Name: email: (for mcq) -1 for Incorrect

\* Write the code snippet only. Make use of whatever you know to achieve the one liners

Q1. Given the string. Write a python code snippet to find the count of each alphabet.

Str=” hello can you count the number of u” //Write your code below

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Q2. Given is a code for achieving a particular task in python

st={‘hello’:1,’world’:2,’its’:3} ##GIVEN

if(“python” not in st.keys()): ##Part of Question

st[“python”]=4;

Achieve the same result in one line of code.

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Q3. >>> a=0

>>> b=0 For Python3 onwards, is this true? Will the sequence of commands yield the right

>>> a is b result? If YES, mention why in as minimal way possible otherwise NO and mention

True why.

>>> a=[]

>>> b=[]

>>> a is b

False

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Q4. def arrmod(a): What output it will generate in the console. Is the program correct. If you find something

a.append(9) wrong with it fix it and mention the output in console.

a={ } fix(only write a fix for the line you want)

arrmod( a )

print(a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1.

Q5. class A(): What will it print. Will it print ? If you find something wrong with code fix

def \_\_init\_\_(dumadum): the line and mention the output

dumadum.a=10

def print():

print(dumadum.a)

a=A()

a.print()

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Q6. def to\_upper(k): Python3 onwards. What will be printed. Is the program working as expected.

k.upper() If you believe it is not you are free to fix it, otherwise mention output.

x = ['ab', 'cd']

print(map(to\_upper, x))

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Q7. Give a one line program for achieving the following output

>>> a = 45637 ##GIVEN YOUR CODE GOES BELOW

>>>

>>> four five six three seven

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Q8. Give a one line program of verifying whether a number is prime or not \*\*(Has hidden bonus mark)

>>>n=37 ##GIVEN NUMBER \_ Your code goes below

>>>

>>>”Prime”

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Q9. Which of the following is equivalent to random.randrange(3)?

A. range(3)

B. random.choice(range(0, 3))

C. random.shuffle(range(3))

D. random.select(range(3))

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Q10. >>> L=( 1,2,3 ) Will the given command generate error if yes fix the error ?

>>> T=[ 1,2,3 ] If it doesn’t generate error then write the output.

>>>L.append(L[0])

>>>print ( L )

2.

Q11. What will be the output of this program ?

>>>str1=’hello world’

>>> str1[-1:]

Your answer : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q12. number=234

## Given is the number reverse the number in one line of code e.g 234 becomes 432

Your Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q.13

p=[1,2,3,4] Will this code work. Or will it not? If the code works leave it be, if it does not can you

for i in range(0,len(p)/2+1): fix it? If not make it better.

t=p[i];

p[i]=p[len(p)-i-1]

p[size-i-1]=t

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##new code to achieve the same

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Q14. Which of the following function checks in a string that all characters are whitespaces?

1. islower()
2. isnumeric()
3. isspace()
4. istitle()

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Q.15 Which data type or data structure in Python is best to keep HASHTABLES in?

1. Tuple B. list C. Dictionary D. None of the data type makes it easier to

establish a HASHTABLE.