1	1.	What is the result of the following operation in Python: 17/2?			
point		8 or 8.5, depending on the Python version			
		9			
		0.8			
		9.0			
1 point	2.	Given the following code in Python:			
·		1 >>> mydna = 'acgt' 2 >>> mydna = mydna + mydna			
		What will be the result of typing the following at the Python interpreter prompt:			
		>>> myDna			
		'acgt'			
		'ACGTACGT'			
		an error message			
1 point	3.	The following commands are entered at the prompt of Python interpreter.			
		<pre>1 >>> dna="atgctggggact" 2 >>> dna[:3]</pre>			

What will be the output of the last command?

3 >>> dna

		gctggggact'
		'atgctggggact'
		'ctggggact'
		'at'
	1	
1 point	4.	What is the output of 'dna'+1+2+3?
P 2		dna6
		dna
		Error
		O dna123
1 point	5.	Given a string variable called dna, for instance: >>> dna='agcagttagcta'
		What is a correct way to count the number of occurrences of 'ag' in dna:
		dna.count('ag')
		dna.count('a')+dna.count('g')
		dna.count('a')+dna.count('A')+dna.count('g')+dna.count('G')
		count(dna,'a')+count(dna,'g')
1 point	6.	What is the value of the variable seqlen, after the following code is entered in Python:
		1 >>> seqlen = '10bp' 2 >>> seqlen='2'+seqlen 3 >>> sealen=sealen*2

	'12bp12bp'
	'1010bp'
	'10bp'
	'210bp210bp'
₁ 7.	You wish to display the following text using the print function in Python:
ропп	<pre>1 >HSBGPG Human bone gla gene\transcript "BGP" 2 GGCAGATTCCCCCTAGACODE</pre>
	Select the correct way to display this output in Python 3.xx:
	print(">HSBGPG Human bone gla gene\transcript "BGP"\nGGCAGATTCCCCCTAGA")
	print("""\
	>HSBGPG Human bone gla gene\transcript "BGP"
	GGCAGATTCCCCCTAGA
	""")
	print('>HSBGPG Human bone gla gene\transcript "BGP"
	GGCAGATTCCCCCTAGA')
	print('>HSBGPG Human bone gla gene\\transcript "BGP"\nGGCAGATTCCCCCTAGA')
1 8.	A student is writing Python 3.xx code to read in a dna sequence using the
point O.	following command:
	>>> dna=input("Enter a DNA sequence, please:")

The student tries three different ways to compute the index of the second

occurrence of the string 'atg' in the dna sequence:

```
Α.
                    1
                    2
                    3
                       >>> o1 = dna.find('atg')
                    4
                       >>> dna.find('atg',o1+1)
                    5
                    6
                    7
                    8
                       >>> dna.rfind('atg')
                    9
                   10
                   11
                       >>> dna.find('atg',dna.find('atg')+1)
                Which of these ways is correct:
                       Α
                       В
                       None of these
                       A or C
          9.
                What are the types of the following literals, in order?
 1
point
                int, float, float, float,int,str,str,int,float
                       int, float, float, float, hex, int, float, int, float
                       int, no type (error), float, float, hex, string, string, int, float
                       int, no type (error), float, double, int, string, string, long,
                        double
          10. What is the result of int(4+6/2+2*2)?
point
                        14.0
                        14
```

				9
	1 point	11.		s the difference between the expressions val = 1234567 and val = 67 * 10 ** 6?
				The value of the variable val in the first expression is different from the value of the variable val in the second expression.
				The two values are not equal.
				No difference.
Lectu: Quiz, 12 qu	re 2 Quiz			In the first expression val is of type int, in the second val is of type float. Numerical values are different.
				In the first expression val is of type int, in the second val is of type float. Numerical value is the same.
	1 point			re the values of the variables a, b, c and d after the following ents have been executed?
			a=1	
			b=2	
			c=a+b	
			a = b	
			a = c	
			d=a+c	a will be 3, b will be 2, c 3 and d 6.
				a will be 1, b will be 2, c 3 and d 4.
				a will be 1, b will be 2, c 3 and d 4.
				a will be 2, b will be 2, c 3 and d 4.

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