

Course: CSE111 Exam: Quiz 4 Time: 35 Minutes Marks: 10

B

Name: Stu	ident ID:	Section:
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Question - 1: CO4 [10 Points]

1	class A:
2	temp = 4
3	definit(self):
4	self.y = A.temp - 3
5	self.sum = self.temp + 2
6	A.temp += 3
7	def methodA(self, m, n, x=0):
8	self.y += self.sum + m + (A.temp)
9	x += self.sum + 2 + n
10	self.sum += x + self.temp
11	<pre>print(x, self.y, self.sum)</pre>
12	class B(A):
13	temp = 2
14	definit(self, obj=None):
15	self.temp = self.temp + B.temp
16	self.sum = 3 + B.temp + A.temp
17	super()init()
18	if obj != None:
19	obj.methodB(1, 2)
20	else:
21	self.methodB(3, -1)
22	<pre>def methodB(self, m, n):</pre>
23	y = self.temp + self.y + n
24	B.temp = m + self.y + n
25	self.methodA(n, m)
26	self.sum += self.y + y + A.temp
27	<pre>print(self.temp , y, self.sum)</pre>

Illustrate the output of the following statements:

b1 = B() b2 = B(b1)

Output:

Out1	Out2	Out3
		-
		97
	19	196

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class variable	nelf-	9nstance variable			AC SSITY SSITY				
of class A		y	sum	self	m	n	×	1,332	BRAC UNIVERSITY
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class variable	-	9nit	. Anstanc	0		ethod B				
of B	self	Local	temp	Sum	1 7	self	m	n	y	
temp 2	DHK	None	72+2 =4	+3+2+4 =9	→4-3 =1	DHK	3	-1	> 4+1+(-1) =4	
3+1+(-1)				-> 4+2 = 6	→1+6+(-1) +7 =13				and sufficient and an action to action to the second and action and action and action action action action action.	
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*6				→ 21+13+4+ → -45	= 70					00
				745+48+4 =97						4 48
				+ 10 + 10 = 196						4
1.44	RAJ	DHK	→3+3 =6	73+3+7=13	->7-3 =4	DHK	1	2_	74+13+2 = 19	
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