



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

B

Name:	Student ID:	Section:
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Question – 1: CO4 [10 Points]

1	class A:
2	temp = 4
3	def __init__(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	print(x, self.y, self.sum)
12	class B(A):
13	temp = 2
14	def __init__(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	def methodB(self, m, n):
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	print(self.temp, y, self.sum)

Illustrate the output of the following statements:

b1 = B()

b2 = B(b1)

Output:

Out1	Out2	Out3
		97
	19	196

[illegible]

class	mit		method B						
variable of B	self	Local Obj	Anstance			self	m	n	y
temp	DHK	None	→ 2 + 2 = 4	→ 3 + 2 + 4 = 9	→ 4 - 3 = 1	DHK	3	-1	→ 4 + 1 + (-1) = 4
2				→ 4 + 2 = 6	→ 1 + 6 + (-1) + 7 = 13				
→ 3 + 1 + (-1) = 3				→ 6 + 11 + 4 = 21	→ 13 + 45 + 2 + 10 = 70				
→ 1 + 13 + 2 = 16				→ 21 + 13 + 4 + 7 = 45					
				→ 45 + 48 + 4 = 97					
				→ 97 + 70 + 19 + 10 = 196					
RAJ	DHK		→ 3 + 3 = 6	→ 3 + 3 + 7 = 13	→ 7 - 3 = 4	DHK	1	2	→ 4 + 13 + 2 = 19
				→ 6 + 13 = 19					

Output

11 13 21
4 4 45
48 70 97
4 19 19