BRAC UNIVERSITY
Department of Computer Science and Engineering
CSE111: Programming Language II

Coding	Tracing

Examination: *Lab Final Examination (Tracing)* **Semester**: *Fall 2022*
Date: *21 / 12 / 2022* **SET B** **Duration**: *30 Minutes*

ID:	Name: *(Please write in **CAPITAL LETTERS**)*	Obtained Points: / 20	Section: 05

Driver Code

```
x = [8]
b1 = B()
b2 = B(b1)
b2.methodB(19, 5)
b2.methodA(6, x)
```

Output


```
01 class A:
02     temp = 9
03     def __init__(self, sum=0):
04         self.temp = -3
05         self.sum = sum
06         self.sum = A.temp + 7
07         A.temp -= 5
08     def methodA(self, m, n):
09         x = 0
10         n[0] += 2
11         self.temp = self.temp + m + A.temp
12         A.temp += 1
13         x = x + 7 + n[0]
14         n[0] = self.sum + 2
15         print(f"{x} {self.temp} {self.sum}")
16 class B(A):
17     x = 7
18     def __init__(self, b = None):
19         super().__init__()
20         self.sum = 3
21         if b == None:
22             self.temp = self.temp + 1
23             B.x = 5 + A.temp + self.x
24             A.temp -= 2
25         else:
26             self.sum = self.sum + self.sum
27             B.x = b.x + self.x
28     def methodB(self, m, n):
29         temp = [0]
30         self.temp = temp[0] + self.temp + m
31         B.x = 4 + self.temp - n
32         self.methodA(self.x, temp)
33         self.sum = self.x + temp[0] + self.sum
34         print(f"{self.x} {temp[0]} {self.temp}")
```