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 A**   **Duration**:   *30 Minutes*

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

Driver Code

```
x = [3]
b1 = B()
b2 = B(b1)
b2.methodB(7, 2)
b2.methodA(3, x)
```

Output


```python
class A:
    temp = 3
    def __init__(self, sum=0):
        self.temp = 3
        self.sum = sum
        self.sum = A.temp + 2
        A.temp -= 2
    def methodA(self, m, n):
        x = 0
        n[0] += 1
        self.temp = self.temp + m + A.temp
        A.temp += 1
        x = x + 2 + n[0]
        n[0] = self.sum + 2
        print(f"{x} {self.temp} {self.sum}")
class B(A):
    x = 1
    def __init__(self, b = None):
        super().__init__()
        self.sum = 2
        if b == None:
            self.temp = self.temp + 1
            B.x = 3 + A.temp + self.x
            A.temp -= 2
        else:
            self.sum = self.sum + self.sum
            B.x = b.x + self.x
    def methodB(self, m, n):
        temp = [0]
        self.temp = temp[0] + self.temp + m
        B.x = 2 + self.temp - n
        self.methodA(self.x, temp)
        self.sum = self.x + temp[0] + self.sum
        print(f"{self.x} {temp[0]} {self.temp}")
```