Name: ID: Section:

1. Implement the “Order” class that is derived from the “Dominos” class so that the following output is generated. **[Marks 10] [CO5]**

| **class Dominos:**  **def \_\_init\_\_(self, branch\_name, id):**  **self.b\_name = branch\_name**  **self.id = id**  **def delivery(self):**  **self.delivery\_charge = 70**  **print('Previously Delivery charge was', self.delivery\_charge, 'Taka')**  **def printDetail(self):**  **print(f'Branch name: {self.b\_name}\nID: {self.id}')**  **d1 = Dominos('Badda', 121)**  **d1.printDetail()**  **print('----------------------')**  **order1 = Order()**  **print('----------------------')**  **order1.deliveryCharge(90)**  **print(order1.printDetail())**  **print('----------------------')**  **order2 = Order('Meatzza Pizza', 'Pasta')**  **print('----------------------')**  **order1.deliveryCharge()**  **print(order2.printDetail())**  **print('----------------------')**  **order3 = Order('Deluxe Feast Pizza')**  **print('----------------------')**  **order3.deliveryCharge(30)**  **print(order3.printDetail())** | **Output**  **Branch name: Badda**  **ID: 121**  **----------------------**  **Order:1**  **No item is ordered!**  **----------------------**  **Previously Delivery charge was 70 Taka**  **Delivery charge Updated!!**  **Delivery charge: 90**  **Total ordered Items: 0**  **Ordered Items: {}**  **----------------------**  **Order:2**  **----------------------**  **Previously Delivery charge was 70 Taka**  **No update on the delivery charge!!**  **Total ordered Items: 2**  **Ordered Items: {'Item 1': 'Meatzza Pizza', 'Item 2': 'Pasta'}**  **----------------------**  **Order:3**  **----------------------**  **Previously Delivery charge was 70 Taka**  **Delivery charge Updated!!**  **Delivery charge: 30**  **Total ordered Items: 1**  **Ordered Items: {'Item 1': 'Deluxe Feast Pizza'}** |
| --- | --- |

2. Trace the below table and write the outputs in the question paper.  **[Marks 10][CO4]**

| **1** | **class C:** |
| --- | --- |
| **2** | **temp = -3** |
| **3** | **def \_\_init\_\_(self):** |
| **4** | **self.y = C.temp - 6** |
| **5** | **self.sum = self.temp + 2** |
| **6** | **def methodA(self, m, n):** |
| **7** | **self.y = self.y + m + C.temp** |
| **8** | **self.sum = self.sum + self.temp** |
| **9** | **self.temp+=1** |
| **10** | **print(self.temp, self.y, self.sum)** |
| **11** | **class B(C):** |
| **12** | **temp = 7** |
| **13** | **def \_\_init\_\_(self, p=None):** |
| **14** | **super().\_\_init\_\_()** |
| **15** | **self.temp = self.temp + B.temp** |
| **16** | **self.sum = 14 + B.temp + C.temp** |
| **17** | **if p != None:** |
| **18** | **p.methodB(0, 2)** |
| **19** | **else:** |
| **20** | **self.methodB(4, -4)** |
| **21** | **def methodB(self, m, n):** |
| **22** | **y = self.temp + self.y + n** |
| **23** | **B.temp = m + self.y + n** |
| **24** | **self.methodA(n, m)** |
| **25** | **self.sum = self.y + C.temp** |
| **26** | **print(self.temp , y, self.sum)** |

| **Write the output of the following code:**  **b1 = B()**  **b2 = B(b1)** | Outputs | | |
| --- | --- | --- | --- |
|  |  |  |
|  |  | -19 |
| 16 |  |  |
|  | 1 |  |