

Lab 2: Linked List

Instruction:

1. Create a singly linked list from the file named "data1.dat," which comprises ID, Name, Lastame, and Score.
2. Read a file named "data2.dat" to update the linked lis
3. Present the final output on screen. Ensure that the linked list is constructed in ascending order.

How to submit:

1. Submit a complete file (lab2.py) along with a screenshot of the output files (JPG) to MS Teams.
2. Do not submit a zip file or external links.

c\data1.dat

```
105 Alice Brown 75
101 John Doe 50
110 Frank Red 50
108 David Black 45
112 Hank Silver 35
109 Eve Blue 90
114 Jack Gray 60
103 Emily Davis 40
107 Carol Green 65
102 Jane Smith 60
115 Kelly Pink 55
106 Bob White 30
113 Ivy Gold 80
111 Grace Purple 70
104 Mike Johnson 55
```

c\data2.dat

```
116 Liam Orange 85
105 Alice Brown 25
110 Frank Red 30
101 John Doe 10
122 Sam Amber 50
113 Ivy Gold 15
108 David Black 50
119 Paige Brown 75
111 Grace Purple 40
109 Eve Blue 5
120 Quinn Violet 45
102 Jane Smith 20
121 Ruth Indigo 65
117 Nora Yellow 60
118 Oliver Cyan 50
```

Output:

```
101 John Doe 60
102 Jane Smith 80
103 Emily Davis 40
104 Mike Johnson 55
105 Alice Brown 100
106 Bob White 30
107 Carol Green 65
108 David Black 95
109 Eve Blue 95
110 Frank Red 80
111 Grace Purple 110
112 Hank Silver 35
113 Ivy Gold 95
114 Jack Gray 60
115 Kelly Pink 55
116 Liam Orange 85
117 Nora Yellow 60
118 Oliver Cyan 50
119 Paige Brown 75
120 Quinn Violet 45
121 Ruth Indigo 65
122 Sam Amber 50
```