

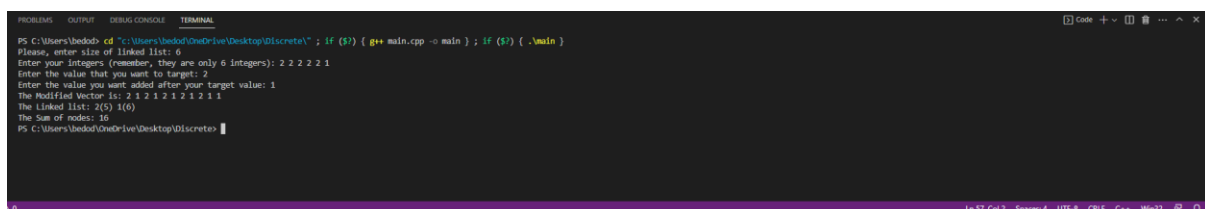
```
14 if (vec[i] == firstValue)
15 {
16     vec.insert(vec.begin() + i + 1, secondValue);
17     i++;
18 }
19 }
20 }
21
22 int main()
23 {
24     int n;
25     vector<int> vec; // defining vector vec
26
27     cout << "Please, enter size of linked list: ";
28     cin >> n; // input of size
29     cout << "Enter your integers (remember, they are only " << n << " integers): ";
30     for (int i = 0; i < n; i++) // input of values in linked list
31     {
32         int x;
33         cin >> x;
34         vec.push_back(x);
35     }
36     int firstValue, secondValue;
37     cout << "Enter the value that you want to target: ";
38     cin >> firstValue; // input of target value (first value)
39     cout << "Enter the value you want added after your target value: ";
40     cin >> secondValue; // input of second value
41
42     InsertAfter(vec, firstValue, secondValue); // modifying the vector list by putting second value after each first value occurrence
43
44     cout << "The Modified Vector is: ";
45     for (int i = 0; i < vec.size(); i++)
46     {
```

```
PS C:\Users\bedod> cd "C:\Users\bedod\OneDrive\Desktop\Discrete"; if ($?) { g++ Untitled.cpp -o untitled }; if ($?) { .\untitled }
Please, enter size of linked list: 5
Enter your integers (remember, they are only 5 integers): 1 2 2 4 5
Enter the value that you want to target: 2
Enter the value you want added after your target value: 0
The Modified Vector is: 1 2 0 2 0 4 5
The Linked list: 1(1) 2(2) 0(2) 4(1) 5(1)
The Sum of nodes: 16
PS C:\Users\bedod\OneDrive\Desktop\Discrete>
```

Here I put the size to be 5. Then, the input was 1 2 2 4 5. My target value was 2, and second value was 0. So, I want every occurrence of “2” to have a “0” after it.

This is exactly what happened and the sum is also correct.

Here, same thing happened but my size was 6 and I had more 2’s. my target was the number 2 and I wanted to add 1 after it. This is the output.



```
PS C:\Users\bedod> cd "C:\Users\bedod\OneDrive\Desktop\Discrete"; if ($?) { g++ main.cpp -o main }; if ($?) { .\main }
Please, enter size of linked list: 6
Enter your integers (remember, they are only 6 integers): 2 2 2 2 1
Enter the value that you want to target: 2
Enter the value you want added after your target value: 1
The Modified Vector is: 2 1 2 1 2 1 2 1 1
The Linked list: 2(5) 1(0)
The Sum of nodes: 16
PS C:\Users\bedod\OneDrive\Desktop\Discrete>
```