

# Main.cpp

Input to create a vector and use the function insertAfter():

```
Microsoft Visual Studio Debug Console
How many numbers would you like to enter?
7
Enter the numbers to store them in the vector:
2
7
7
4
3
7
8
Enter the value that you would like to look for: 7
Enter the value that you would like to insert: 1
```

Updated vector after insertAfter() function:

```
The updated vector is:
2
7
1
7
1
4
3
7
1
8
```

Output of the 3 list functions:

- Create a list of integers and occurrences from a vector
- Print the list
- Print the sum of the list

```
The list of numbers and occurances is:
1 , 3
2 , 1
3 , 1
4 , 1
7 , 3
8 , 1
The sum of the list is: 41
```

## References:

- GeeksForGeeks: { HYPERLINK  
"https://www.geeksforgeeks.org/program-to-implement-singly-linked-list-in-c-using-class/" }
- Dr. Howaida's slides.