

```
69 12.sum();  
  
1  
2  
9  
3  
4  
5  
-----  
sum of list:24  
Program ended with exit code: 0
```

All Output ↕

Line: 65 Col: 5

Filter

1. I created a global vector, so I can use it in both function **setvector** and **insertafter** functions.
2. I created a function called **display** that can display items in the vector.
3. I created function **creatlist** of type list, and in this function it checks if i added before the same number or not, if yes so it won't add this number if it returns false so it add it to list by the help of function **increaseocc** and this function will return true or false.
4. I created a function **sum** of type void that will traverse all over the list to sum all the numbers in the list.
5. In list class, I have three functions that insert elements in a list depending on the place I want. For example, if i want to insert in the beginning i will use **insert first**, if i want to insert in middle i will use **insertmiddle**, at the end i will use **insertend**.
6. In list class, I have three functions to delete depending on the place I want (**deletefirst**, **deleteitem**, **deleteend**).
7. In list class, I have a function called **isempty** to check if a list is empty or not, and function called **isfound** to check if a specific number is in the list or not.
8. In list class, I have a function called **displaylist** that will display the elements in the list.