Elifnur Kabalcı

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```
PS C:\Users\e.kabalci2018\Desktop\cpp-hw4> g++ -std=c++11 test.cpp dayofyear.cpp -o dayofyear
PS C:\Users\e.kabalci2018\Desktop\cpp-hw4> ./dayofyear
This element is already exist
Sizeof Obj1: 4
Sizeof Obj2: 3
Obj1:
0: 15 1
1: 11 5
2: 18 4
3: 31 8

Obj2:
0: 31 8
1: 12 5
2: 26 3

Obj1+Obj2:
0: 15 1
1: 11 5
2: 18 4
3: 31 8
4: 12 5
5: 26 3
```

This element is already exist -> line 25 in test.cpp

Sizeof -> I use size function

We add 31,8 to Obj1 with add func -> line 26 in test.cpp

Obj1 and Obj2 print with ostream operator -> line 34-35 in test.cpp

+ operator -> line 36 in test.cpp

I control the dublicate numbers

```
Obj1-Obj2:

Obj1^Obj2:
0: 15 1

Obj1[2]:
month: 4
day: 18

Obj1==Obj2: 0
Obj1!=Obj2: 1
```

My program sometimes find the minus operator result but sometimes not found. But it don't make any error.

In ^ operator (kesişim) -> I find the same elements in Obj1 and Obj2

In line 40 in test.cpp -> use the [] operator and print the details

In line 43-44 in test.cpp -> If objects are equal return 1 after, in line 44 if object not equal return 1.

I declare the auto and decltype :

Auto ->line81 in dayofyear.cpp

Decltype -> line 85 in dayofyear.cpp

Remove -> line 27 in test.cpp

 I deleted element(15-1)

Not operator -> declare the all days , after delete the declared(added) days so I found the complementer set -> line 155 in dayofyear.cpp

I tested total day of year in line 195 in dayofyear.cpp and line 47-48 in test.cpp

In homework pdf you said that txt file. But I don't think that is necessary, it may be come from previous homework. So I didn'tput it.

Call by value -> (int i) int line 12 in dayofyear.h

Call by reference -> dayofyearset& element in line 15 in dayofyear.h

I cant use valgrind because use I didn't find anything about it.

In homework pdf said that, constructor must take a vector. So I think, I must make a vector in main and call from constructor. After I store the data in outptr pointer. Size details in constructor.

I tried to make homework in understood type. I wish it is true.