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Kelas : IF-45-05

```
lemari.h x lemari.cpp x main.cpp x
1      #ifndef LEMARI_H_INCLUDED
2      #define LEMARI_H_INCLUDED
3
4      const int nMax = 50;
5
6      struct lemari {
7          int baju[nMax];
8          int maks;
9          int no_laci;
10     };
11
12     void tambahData_1301210566(lemari &C, int x);
13     void lihatData_1301210566(lemari C);
14     int cariData_1301210566(lemari C, int x);
15
16     void reversed_view_1301210566(lemari C);
17     void delete_data_1301210566(lemari &C);
18
19     #endif // LEMARI_H_INCLUDED
20
```

```
lemari.h x lemari.cpp x main.cpp x
1      #include "lemari.h"
2      #include <iostream>
3
4      using namespace std;
5
6      void tambahData_1301210566(lemari &C, int x) {
7          //kondisi untuk menambahkan data ke array lemari
8          if(C.no_laci <= C.maks) {
9              C.no_laci = C.no_laci+1;
10             C.baju[C.no_laci] = x;
11         }
12     }
13
14     void lihatData_1301210566(lemari C) {
15         //kondisi untuk menampilkan semua data yang ada di???
16         int i;
17         if(C.no_laci != -1) {
18             for(i = 0; i <= C.no_laci; i++) {
19                 cout<<C.baju[i]<<" ";
20             }
21             cout<<endl;
22         } else {
23             cout<<"lemari kosong"<<endl;
24         }
25     }
26
27     int cariData_1301210566(lemari C, int x) {
28         int idx = -1;
29         int i;
30
31         if(C.no_laci != -1) {
32             for(i = 0; i <= C.maks; i++) {
33                 if (C.baju[i] == x) {
34                     return i;
35                 }
36             }
37             return -1;
38         }
39     }

```

```
41     void reversed_view_1301210566(lemari C) {
42         int i;
43         for(i = C.no_laci; i >= 0; i--) {
44             cout<<C.baju[i]<<" ";
45         }
46         cout<<endl;
47     }
48
49     void delete_data_1301210566(lemari &C) {
50         C.no_laci = C.no_laci - 1;
51     }
52
53
54
```

```
lemari.h x lemari.cpp x main.cpp x
1  #include "lemari.h"
2  #include <iostream>
3
4  using namespace std;
5
6  int main()
7  {
8      lemari lem;
9      lem.maks = 8;
10     lem.no_laci = -1;
11
12     tambahData_1301210566(lem, 6);
13     lihatData_1301210566(lem);
14     tambahData_1301210566(lem, 4);
15     lihatData_1301210566(lem);
16     tambahData_1301210566(lem, 0);
17     lihatData_1301210566(lem);
18     tambahData_1301210566(lem, 2);
19     lihatData_1301210566(lem);
20
21     cout<<endl;
22
23     //mencari index
24     int i;
25     i = cariData_1301210566(lem, 8);
26     cout<<i<<endl;
27     i = cariData_1301210566(lem, 6);
28     cout<<i<<endl;
29
30     cout<<endl;
31
32     reversed_view_1301210566(lem);
33     tambahData_1301210566(lem, 0);
34     reversed_view_1301210566(lem);
35     lihatData_1301210566(lem);
36
37     cout << endl;
38
39     lihatData_1301210566(lem);
40     delete_data_1301210566(lem);
41     lihatData_1301210566(lem);
42
43     return 0;
44 }
45
46
```

C:\Users\PRAKTIKAN\Downloads\STD_MOD3_IF-45-05_1301210566_NFM\bin\Debug\STD_MOD3_IF-45-05_1301210566_NFM.exe

```
6
6 4
6 4 0
6 4 0 2

-1
0

2 0 4 6
0 2 0 4 6
6 4 0 2 0

6 4 0 2 0
6 4 0 2

Process returned 0 (0x0)   execution time : 4.974 s
Press any key to continue.
-
```