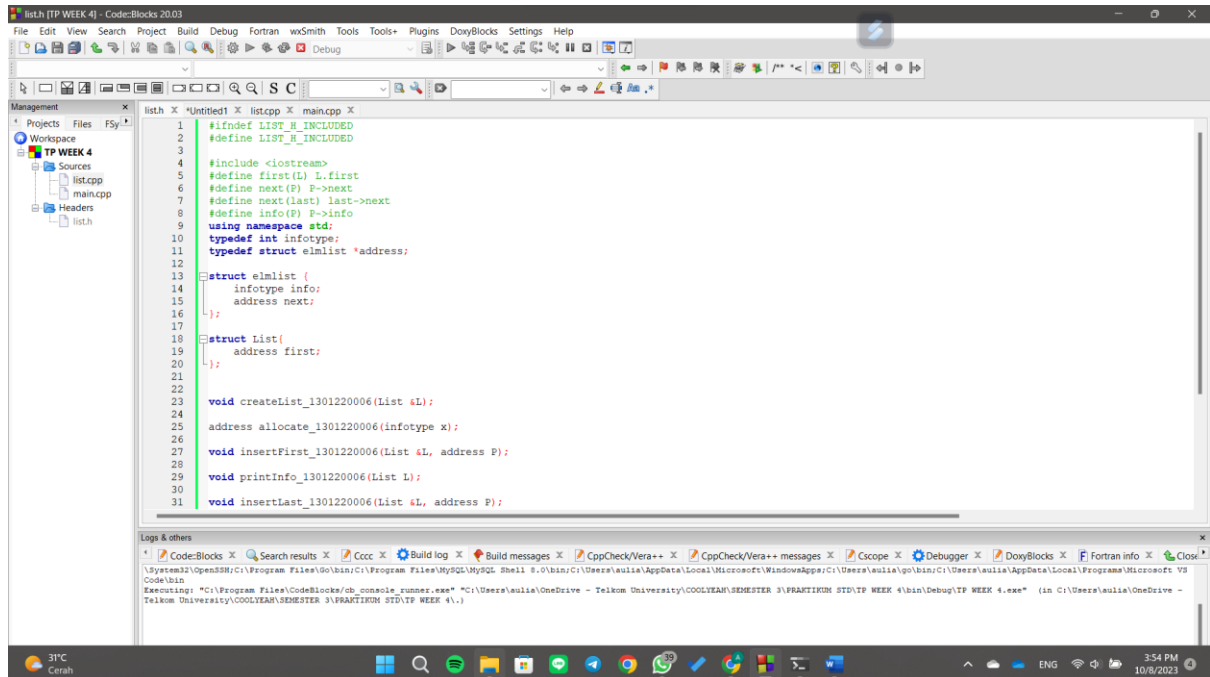


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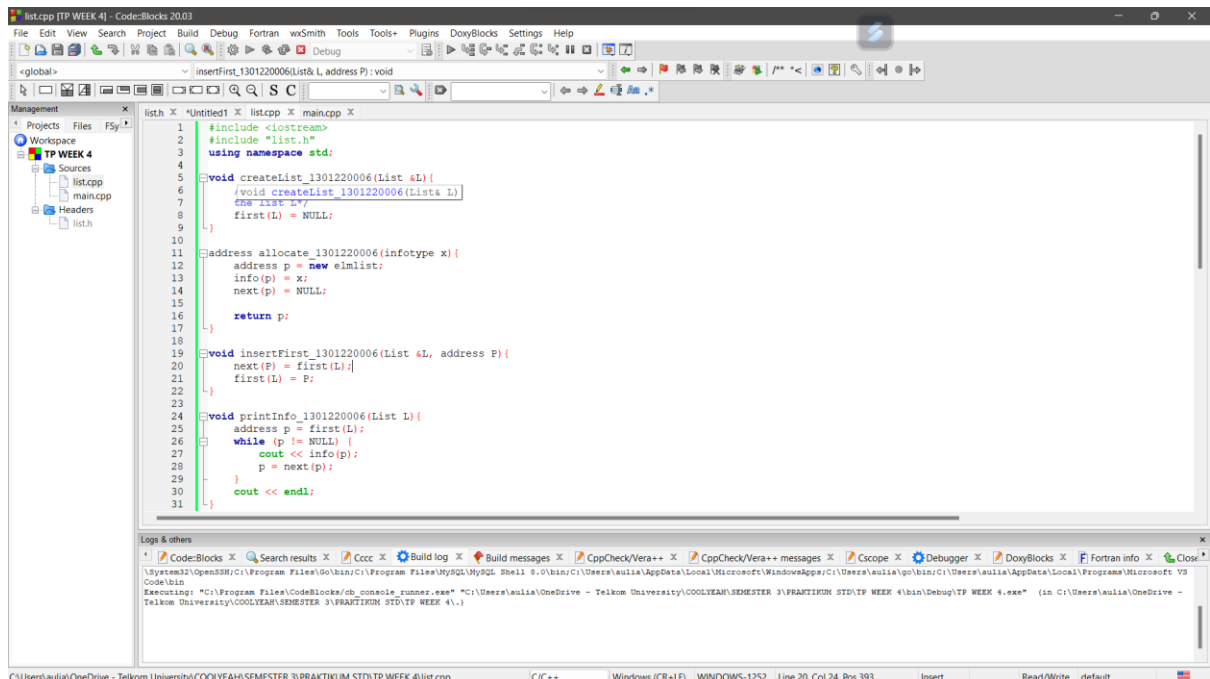


```
1 #ifndef LIST_H_INCLUDED
2 #define LIST_H_INCLUDED
3
4 #include <iostream>
5 #define first(L) L.first
6 #define next(P) P->next
7 #define next(last) last->next
8 #define info(P) P->info
9 using namespace std;
10 typedef int infotype;
11 typedef struct elmList *address;
12
13 struct elmList {
14     infotype info;
15     address next;
16 };
17
18 struct List {
19     address first;
20 };
21
22 void createList_1301220006(List &L);
23
24 address allocate_1301220006(infotype x);
25
26 void insertFirst_1301220006(List &L, address P);
27
28 void printInfo_1301220006(List L);
29
30 void insertLast_1301220006(List &L, address P);
```

Logs & others

Code::Blocks X Search results X Cccc X Build log X Build messages X CppCheck/Vera++ X CppCheck/Vera++ messages X Cscope X Debugger X DoxyBlocks X Fortran info X Close

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\aulia\OneDrive - Telkom University\COOLYEAH\SEMESTER 3\PRAKTIKUM STD\TP WEEK 4\bin\Debug\TP WEEK 4.exe" (in C:\Users\aulia\OneDrive - Telkom University\COOLYEAH\SEMESTER 3\PRAKTIKUM STD\TP WEEK 4\.)



```
1 #include <iostream>
2 #include "list.h"
3 using namespace std;
4
5 void createList_1301220006(List &L) {
6     //void createList_1301220006(List &L) {
7     //cout << "TP WEEK 4" << endl;
8     first(L) = NULL;
9 }
10
11 address allocate_1301220006(infotype x) {
12     address p = new elmList;
13     info(p) = x;
14     next(p) = NULL;
15     return p;
16 }
17
18 void insertFirst_1301220006(List &L, address P) {
19     next(P) = first(L);
20     first(L) = P;
21 }
22
23 void printInfo_1301220006(List L) {
24     address p = first(L);
25     while (p != NULL) {
26         cout << info(p);
27         p = next(p);
28     }
29     cout << endl;
30 }
31 }
```

Logs & others

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list.cpp [TP WEEK 4] - Code::Blocks 20.03

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<global> insertFirst_1301220006(List& L, address P): void

list X *Untitled1 X list.cpp X main.cpp X

```
33 void insertLast_1301220006(List& L, address P) {
34     if (first(L) == NULL) {
35         first(L) = P;
36     } else {
37         address last = first(L);
38         while (next(last) != NULL) {
39             last = next(last);
40         }
41         next(last) = P;
42     }
43 }
44
45 void insertAfter_1301220006(List& L, address P, address prec) {
46     next(P) = next(prec);
47     next(prec) = P;
48 }
49
50 void deleteLast_1301220006(List& L, address P) {
51     if (next(first(L)) == NULL) {
52         P = first(L);
53         first(L) = NULL;
54     } else {
55         address Q = first(L);
56         P = first(L);
57         while (next(P) != NULL) {
58             Q = P;
59             P = next(P);
60         }
61         next(Q) = NULL;
62     }
63 }
```

Logs & others

Code::Blocks X Search results X Cccc X Build log X Build messages X CppCheck/Ver++ X CppCheck/Ver++ messages X Cscope X Debugger X DonyBlocks X Fortran info X Close

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\aulia\OneDrive - Telkom University\COOLYEAH\SEMESTER 3\PRAKTIKUM STD\TP WEEK 4\bin/Debug/TP WEEK 4.exe" (in C:\Users\aulia\OneDrive - Telkom University\COOLYEAH\SEMESTER 3\PRAKTIKUM STD\TP WEEK 4\.)

C:\Users\aulia\OneDrive - Telkom University\COOLYEAH\SEMESTER 3\PRAKTIKUM STD\TP WEEK 4\list.cpp C/C++ Windows (CR+LF) WINDOWS-1252 Line 20, Col 24, Pos 393 Insert Read/Write default

list.cpp [TP WEEK 4] - Code::Blocks 20.03

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<global> insertFirst_1301220006(List& L, address P): void

list X *Untitled1 X list.cpp X main.cpp X

```
54 } else {
55     address Q = first(L);
56     P = first(L);
57     while (next(P) != NULL) {
58         Q = P;
59         P = next(P);
60     }
61     next(Q) = NULL;
62 }
63
64
65 void deleteAfter_1301220006(List& L, address P, address prec) {
66     P = next(prec);
67     next(prec) = next(P);
68     next(P) = NULL;
69 }
70
71
72 bool searchInfo_1301220006(List& L, infotype x) {
73     address P = first(L);
74     bool found = false;
75     while (next(P) != NULL && !found) {
76         if (info(P) == x) {
77             found = true;
78             P = next(P);
79         }
80     }
81     if (info(P) == x) {
82         found = true;
83     }
84 }
```

Logs & others

Code::Blocks X Search results X Cccc X Build log X Build messages X CppCheck/Ver++ X CppCheck/Ver++ messages X Cscope X Debugger X DonyBlocks X Fortran info X Close

Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "C:\Users\aulia\OneDrive - Telkom University\COOLYEAH\SEMESTER 3\PRAKTIKUM STD\TP WEEK 4\bin/Debug/TP WEEK 4.exe" (in C:\Users\aulia\OneDrive - Telkom University\COOLYEAH\SEMESTER 3\PRAKTIKUM STD\TP WEEK 4\.)

C:\Users\aulia\OneDrive - Telkom University\COOLYEAH\SEMESTER 3\PRAKTIKUM STD\TP WEEK 4\list.cpp C/C++ Windows (CR+LF) WINDOWS-1252 Line 20, Col 24, Pos 393 Insert Read/Write default

