

## TP MOD 04

Nama : Nabel Muhamad Irfani

NIM : 103032330140

Kelas : IT – 47 – 04

```
1  #ifndef HEADER_H_INCLUDED
2  #define HEADER_H_INCLUDED
3  #include <iostream>
4  #define first(L) L->first
5  #define next(P) P->next
6  #define info(P) P->info
7
8  using namespace std;
9  typedef int infotype;
10 typedef struct elmList *address;
11
12 struct elmList{
13     infotype info;
14     address next;
15 };
16
17 struct List{
18     address first;
19 };
20
21 void createList(List &L);
22 address allocate(infotype x);
23 void insertFirst(List &L, address p);
24 void printInfo(List L);
25 void insertLast(List &L, address p);
26 void insertAfter(List &L, address prec, address p);
27 void deleteFirst(List &L, address p);
28 void deleteAfter(List &L, address p);
29 void deleteLast(List &L, address p);
30 address searchInfo(List L, infotype data);
31
32 #endif // HEADER_H_INCLUDED
```

```
Masukan digit ke-1: 1
1,
Masukan digit ke-2: 3
3, 1,
Masukan digit ke-3: 0
Contoh penulisan nomor 6 yang mengisi nilai NIM:
0, 3, 1,
Sekarang bagian soal 7 yang sesi fun menggunakan procedure insertLast
Sekarang memasukkan nilai NIM dari insertLast
Masukan nilai digit NIM anda:
Digit 1: 1
Digit 2: 0
Digit 3: 3
Digit 4: 0
Digit 5: 3
Digit 6: 2
Digit 7: 3
Digit 8: 3
Digit 9: 0
Digit 10: 1
Digit 11: 3
Digit 12: 0
Isi NIM: 103032330130
Process returned 0 (0x0)   execution time : 21.247 s
Press any key to continue.
```

Run: Debug in tp44 (compiler: GNU GCC Compiler)

Checking for existence: D:\struktad\tp44\bin\Debug\tp44.exe  
Set variable: PATH=C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\CodeBlocks\MinGW\bin;C:\Windows\System32\cmd.exe;C:\Windows\System32\WindowsPowerShell\v1.0\cmd.exe;C:\Windows\System32\OpenSSH\cmd.exe;C:\Program Files\NVIDIA Corporation\PhysX\Common\cmd.exe;C:\Program Files\NVIDIA Corporation\NVIDIA NVXDRIVER\cmd.exe;C:\Program Files\Go\bin\cmd.exe;C:\Program Files\dotnet\cmd.exe;C:\Program Files\Cloudflare\Cloudflare WARP\cmd.exe;C:\Users\lenovo\AppData\Local\Microsoft\WindowsApps\cmd.exe;C:\Users\lenovo\AppData\Local\Programs\Microsoft VS Code\bin\cmd.exe;C:\Users\lenovo\go\bin\cmd.exe  
Executing: "C:\Program Files\CodeBlocks\cb\_console\_runner.exe" "D:\struktad\tp44\bin\Debug\tp44.exe" (in D:\struktad\tp44\)

# Main

```
1 #include <iostream>
2 #include "header.h"
3 #include "sll.cpp"
4
5 using namespace std;
6
7 int main()
8 {
9     List NMI;
10    infotype data;
11    allocate(data);
12    createList(NMI);
13    cout << "Masukan digit kg-1: ";
14    insertFirst(NMI, allocate(data));
15    printInfo(NMI);
16    cout << "Masukan digit kg-2: ";
17    insertFirst(NMI, allocate(data));
18    printInfo(NMI);
19    cout << "Masukan digit kg-3: ";
20    insertFirst(NMI, allocate(data));
21    cout << "Contoh penulisan nomor 6 yang mengisi nilai NIM: " << endl;
22    printInfo(NMI);
23    cout << " " << endl;
24    cout << "Jelaskan bagian soal 7 yang soal fun menggunakan procedure insertLast" << endl;
25    cout << "Jelaskan pemejukan nilai NIM dari insertLast " << endl;
26    cout << "Masukan nilai digit NIM anda: " << endl;
27    List NIM;
28    infotype test;
29    allocate(test);
30    createList(NIM);
31    for (int i = 1; i <= 12; i++){
32        cout << "Digit " << i << " : ";
33        insertLast(NIM, allocate(data));
34    }
35    cout << "Nilai NIM: ";
36    printInfo2(NIM);
37}
38
```

Logs & others

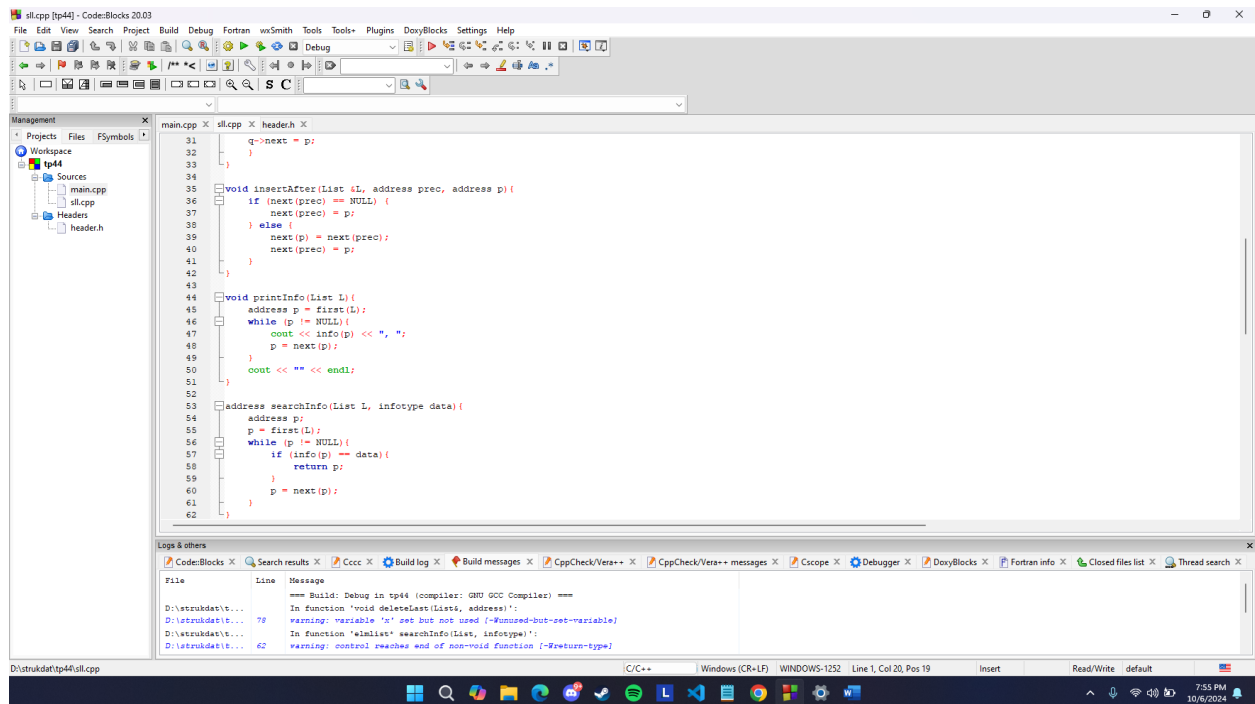
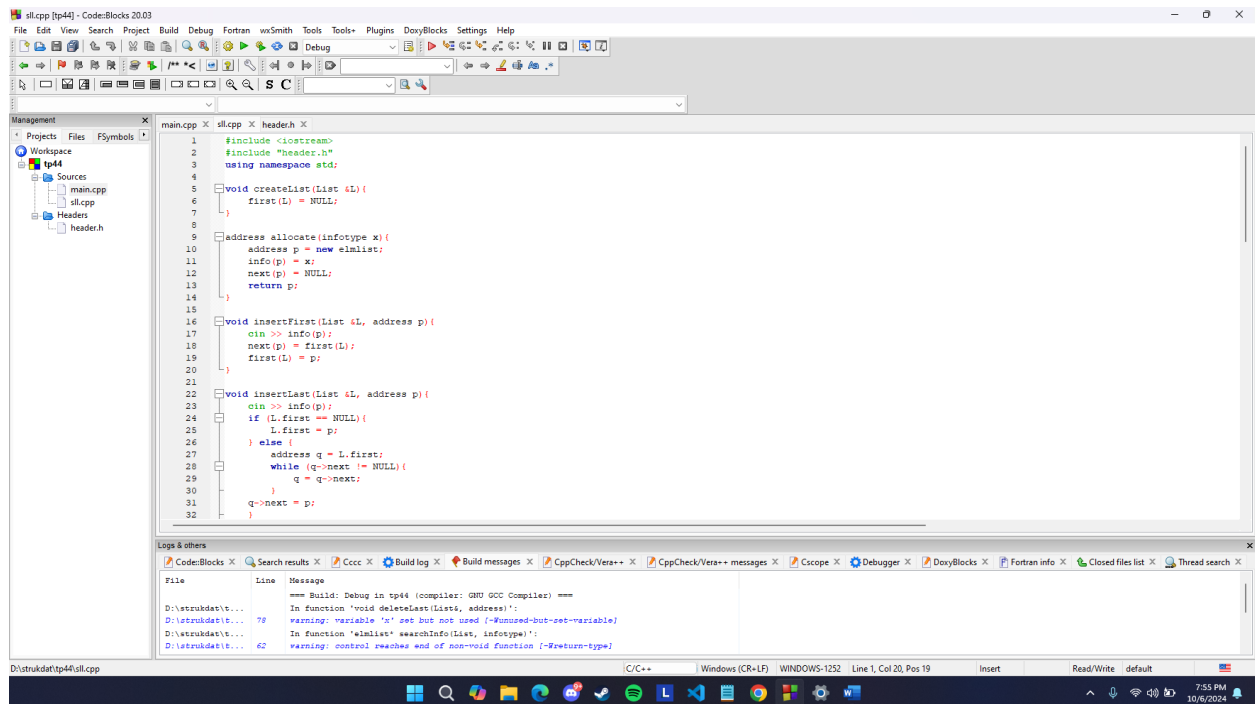
File	Line	Message
=== Build: Debug in tp44 (compiler: GNU GCC Compiler) ===		
D:\struktad\tp44\...	78	In function 'void deleteLast(List&, address)': warning: variable 'x' set but not used [-Wunused-but-set-variable]
D:\struktad\tp44\...	62	In function 'sllInfo' searchInfo(List, infotype)': warning: control reaches end of non-void function [-Wreturn-type]

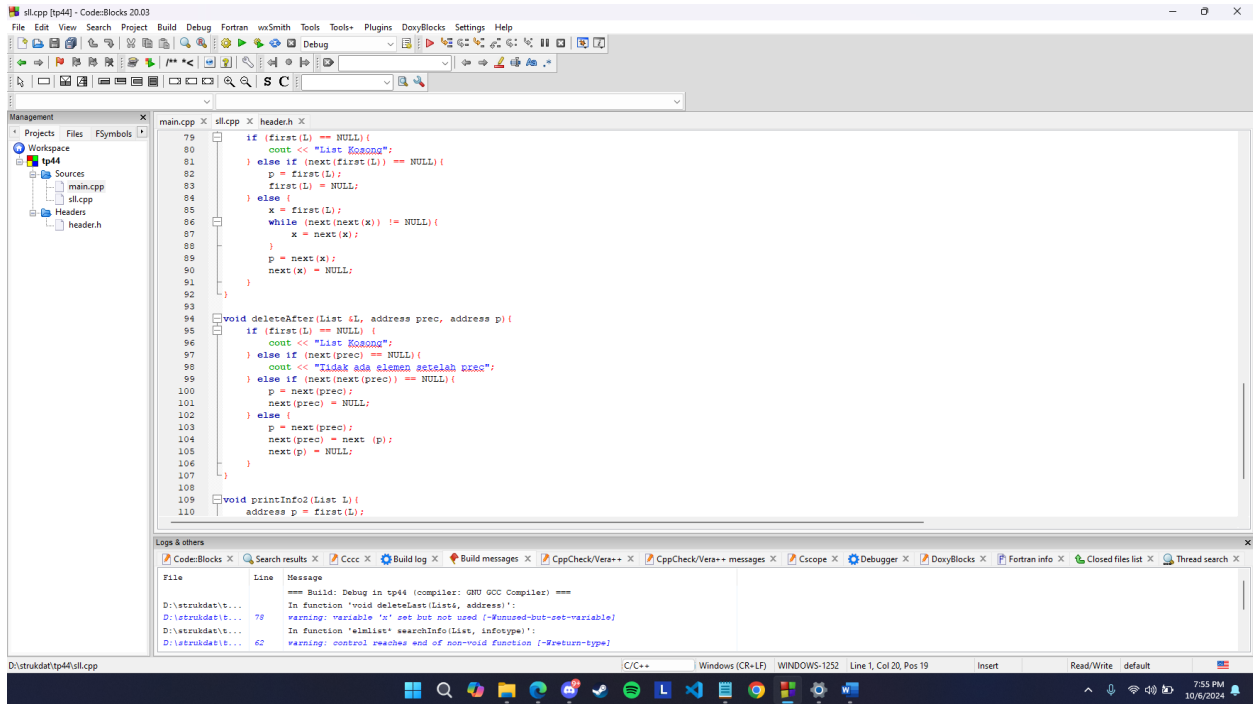
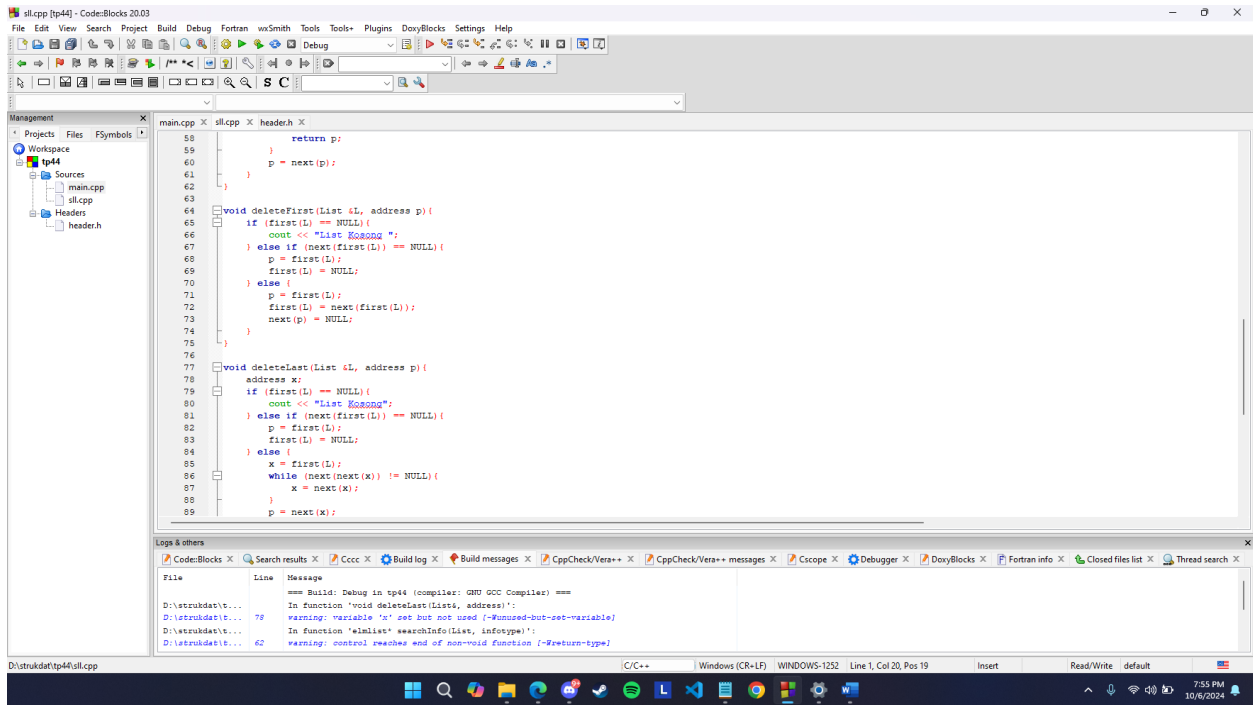
```
8
9 List NMI;
10 infotype data;
11 allocate(data);
12 createList(NMI);
13 cout << "Masukan digit kg-1: ";
14 insertFirst(NMI, allocate(data));
15 printInfo(NMI);
16 cout << "Masukan digit kg-2: ";
17 insertFirst(NMI, allocate(data));
18 printInfo(NMI);
19 cout << "Masukan digit kg-3: ";
20 insertFirst(NMI, allocate(data));
21 cout << "Contoh penulisan nomor 6 yang mengisi nilai NIM: " << endl;
22 printInfo(NMI);
23 cout << " " << endl;
24 cout << "Jelaskan bagian soal 7 yang soal fun menggunakan procedure insertLast" << endl;
25 cout << "Jelaskan pemejukan nilai NIM dari insertLast " << endl;
26 cout << "Masukan nilai digit NIM anda: " << endl;
27 List NIM;
28 infotype test;
29 allocate(test);
30 createList(NIM);
31 for (int i = 1; i <= 12; i++){
32     cout << "Digit " << i << " : ";
33     insertLast(NIM, allocate(data));
34 }
35 cout << "Nilai NIM: ";
36 printInfo2(NIM);
37
38
```

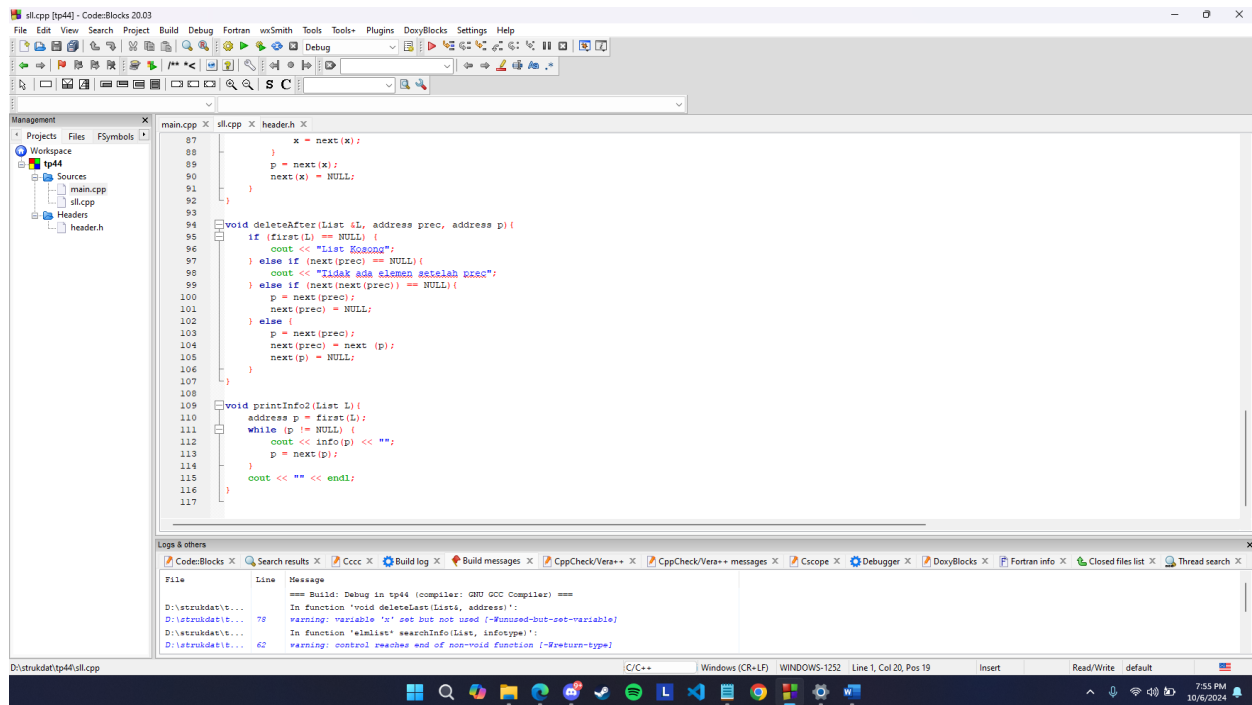
Logs & others

File	Line	Message
=== Build: Debug in tp44 (compiler: GNU GCC Compiler) ===		
D:\struktad\tp44\...		In function 'void deleteLast(List&, address)': warning: variable 'x' set but not used [-Wunused-but-set-variable]
D:\struktad\tp44\...	78	In function 'sllInfo' searchInfo(List, infotype)': warning: control reaches end of non-void function [-Wreturn-type]

# List







## Header

