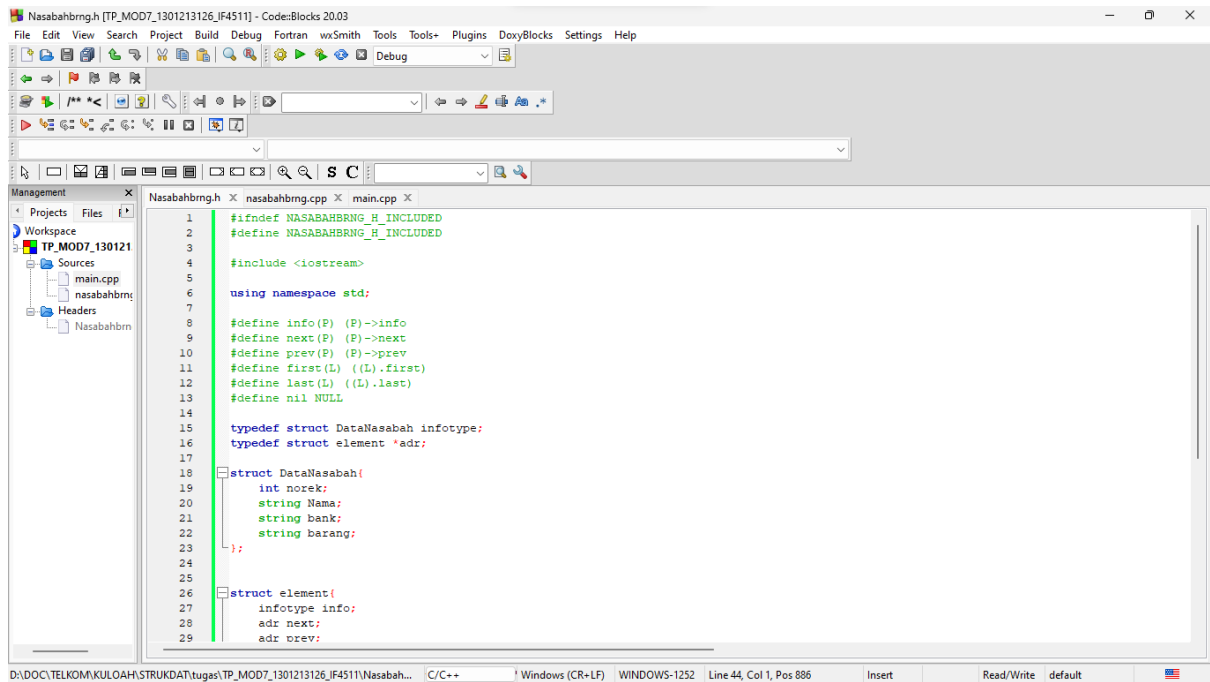


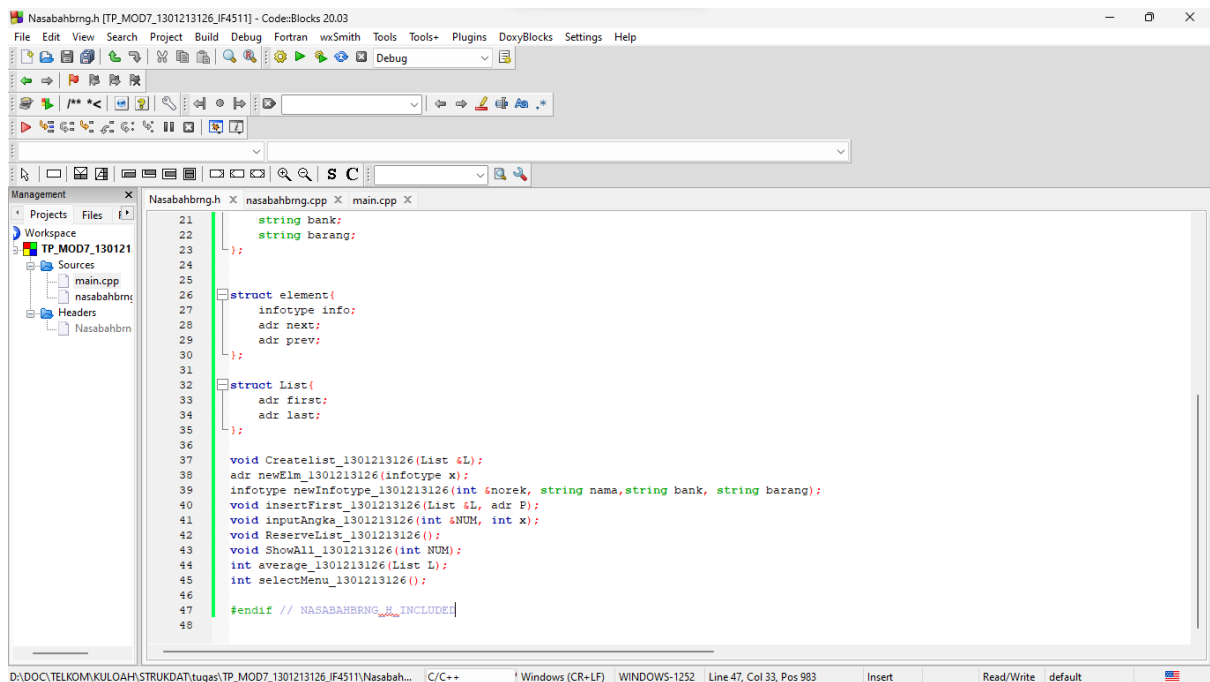
Fadhil Muhamad Pratama (1301213126)



The screenshot shows a C++ code editor with the following code:

```
1  #ifndef NASABAHBRNG_H_INCLUDED
2  #define NASABAHBRNG_H_INCLUDED
3
4  #include <iostream>
5
6  using namespace std;
7
8  #define info(P) (P)->info
9  #define next(P) (P)->next
10 #define prev(P) (P)->prev
11 #define first(L) ((L).first)
12 #define last(L) ((L).last)
13 #define nil NULL
14
15 typedef struct DataNasabah infotype;
16 typedef struct element *adr;
17
18 struct DataNasabah{
19     int norek;
20     string Nama;
21     string bank;
22     string barang;
23 };
24
25 struct element{
26     infotype info;
27     adr next;
28     adr prev;
29 }
```

The status bar at the bottom indicates the file path is D:\DOC\TELKOM\KULOAH\STRUKDAT\tugas\TP_MOD7_1301213126_IF4511\Nasabah... and the current line is 44, column 1, position 886.



The screenshot shows the continuation of the C++ code from the previous image:

```
21     string bank;
22     string barang;
23 };
24
25 struct element{
26     infotype info;
27     adr next;
28     adr prev;
29 };
30
31 struct List{
32     adr first;
33     adr last;
34 };
35
36 void Createlist_1301213126(List &L);
37 adr newElem_1301213126(infotype x);
38 infotype newInfotype_1301213126(int &norek, string nama, string bank, string barang);
39 void insertFirst_1301213126(List &L, adr P);
40 void inputAngka_1301213126(int &NUM, int x);
41 void ReserveList_1301213126();
42 void ShowAll_1301213126(int NUM);
43 int average_1301213126(List L);
44 int selectMenu_1301213126();
45
46 #endif // NASABAHBRNG_H_INCLUDED
47
48
```

The status bar at the bottom indicates the file path is D:\DOC\TELKOM\KULOAH\STRUKDAT\tugas\TP_MOD7_1301213126_IF4511\Nasabah... and the current line is 47, column 33, position 983.

The screenshot shows the Code::Blocks IDE with the file `nasabahbrng.cpp` open. The code implements a linked list structure with the following functions:

- `void CreateList_1301213126(List &L)`: Initializes the list with `first(L)` and `last(L)`.
- `adr newElm_1301213126(infotype x)`: Creates a new element `P` with `info(P) = x`, `next(P) = nil`, and `prev(P) = nil`.
- `infotype newInfotype_1301213126(int &norek_nasabah, string nama_nasabah, string bank_nasabah, string barang_nasabah)`: Creates a new `DataNasabah` structure with fields `norek_nasabah`, `nama_nasabah`, `bank_nasabah`, and `barang_nasabah`.
- `void insertFirst_1301213126(List &L, adr P)`: Inserts a new element at the beginning of the list. If the list is empty, it sets `first(L) = P` and `last(L) = P`.

```
1 #include "Nasabahbrng.h"
2
3 void CreateList_1301213126(List &L){
4     first(L);
5     last(L);
6 }
7
8 adr newElm_1301213126(infotype x){
9     adr P = new element;
10    info(P) = x;
11    next(P) = nil;
12    prev(P) = nil;
13    return P;
14 }
15
16 infotype newInfotype_1301213126(int &norek_nasabah, string nama_nasabah, string bank_nasabah, string barang_nasabah){
17     DataNasabah nasabah;
18     nasabah.norek = norek_nasabah;
19     nasabah.nama = nama_nasabah;
20     nasabah.bank = bank_nasabah;
21     nasabah.barang = barang_nasabah;
22     norek_nasabah++;
23     return nasabah;
24 }
25
26 void insertFirst_1301213126(List &L, adr P){
27     if(first(L) == nil && last(L) == nil){
28         first(L) = P;
29         last(L) = P;
30     }
```

The screenshot shows the continuation of the `nasabahbrng.cpp` file in the Code::Blocks IDE. The code includes the following functions:

- `void insertFirst_1301213126(List &L, adr P)`: Continues the logic for inserting a new element at the beginning of the list. If the list is not empty, it sets `next(P) = first(L)` and `first(L) = P`.
- `void inputAngka_1301213126(int &NUM, int x)`: Takes input for the account number `NUM` and the value `x`.
- `void ReserveList_1301213126()`: A function to reserve the list.
- `void ShowAll_1301213126(int NUM)`: A function to display all elements in the list.
- `cout << "Nilai saat ini : " << NUM << endl;`: A statement to output the current value of `NUM`.
- `int average_1301213126(List L)`: A function to calculate the average of the values in the list.
- `int selectMenu_1301213126()`: A function to select a menu option.

```
24 }
25
26 void insertFirst_1301213126(List &L, adr P){
27     if(first(L) == nil && last(L) == nil){
28         first(L) = P;
29         last(L) = P;
30     }else{
31         next(P) = first(L);
32         first(L) = P;
33     }
34 }
35
36 void inputAngka_1301213126(int &NUM, int x)
37 {
38     NUM = x;
39 }
40
41 void ReserveList_1301213126();
42 void ShowAll_1301213126(int NUM)
43 {
44     cout << "Nilai saat ini : " << NUM << endl;
45 }
46
47 int average_1301213126(List L);
48
49 int selectMenu_1301213126()
50 {
```

nasabahbrng.cpp [TP_MOD7_1301213126_JF4511] - Code::Blocks 20.03

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<global>

Management

Projects Files

Workspace

TP_MOD7_130121

Sources

main.cpp

nasabahbrng

Headers

Nasabahbrng

```

36 void inputAngka_1301213126(int &NUM, int x)
37 {
38     NUM = x;
39 }
40
41 void ReserveList_1301213126();
42 void ShowAll_1301213126(int NUM)
43 {
44     cout<<"Silai saat ini : " << NUM << endl;
45 }
46
47 int average_1301213126(List L);
48
49 int selectMenu_1301213126()
50 {
51     cout<<"===== MENU =====<<endl;
52     cout<<"1. Menambah N data baru" <<endl;
53     cout<<"2. Menampilkan semua data" <<endl;
54     cout<<"3. Membalik List" <<endl;
55     cout<<"4. Beraka" <<endl;
56     cout<<"0. Exit" <<endl;
57     cout<<"Masukkan menu : ";
58
59     int input = 0;
60     cin >> input;
61
62     return input;
63 }
64
65

```

D:\DOC\TELKOM\KULOA\STRUKDAT\tugas\TP_MOD7_1301213126_JF4511\nasabahbrng.cpp C/C++ Windows (CR+LF) WINDOWS-1252 Line 65, Col 1, Pos 1365 Insert Read/Write default

main.cpp [TP_MOD7_1301213126_JF4511] - Code::Blocks 20.03

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<global>

main():int

Management

Projects Files

Workspace

TP_MOD7_130121

Sources

main.cpp

nasabahbrng

Headers

Nasabahbrng

```

1 #include "Nasabahbrng.h"
2
3 int main()
4 {
5     List L; adr P; int NUM = 0, pilihan = 0, x, nData; int norek_nasabah = 1; string nama_nasabah; string bank_nasabah; string barang_nasabah;
6
7     pilihan = selectMenu_1301213126();
8     while(pilihan != 0) {
9         switch(pilihan) {
10             case 1 :
11                 cout<<"Jumlah data yang akan ditambahkan:"<<endl;
12                 cin>> x;
13                 inputAngka_1301213126(NUM, x);
14                 int i;
15                 while(i < nData) {
16                     cout<<"Norek : "<<norek_nasabah<<endl;
17                     cout<<"Nama : "; cin>>nama_nasabah;
18                     cout<<"Bank : "; cin>>bank_nasabah;
19                     cout<<"Barang : "; cin>>barang_nasabah;
20                     P = new Elm_1301213126(new InfoType_1301213126(norek_nasabah, nama_nasabah, bank_nasabah, barang_nasabah));
21                     insertFirst_1301213126(L, P);
22
23                     cout<<endl;
24                     i++;
25                 } cout<<nData<<"Data Telah Ditambahkan"<<endl;
26                 break;
27
28             case 2 :
29                 ShowAll_1301213126(NUM);
30                 break;
31

```

D:\DOC\TELKOM\KULOA\STRUKDAT\tugas\TP_MOD7_1301213126_JF4511\main.cpp C/C++ Windows (CR+LF) WINDOWS-1252 Line 5, Col 18, Pos 60 Insert Read/Write default

main.cpp [TP_MOD7_1301213126_IF4511] - Code::Blocks 20.03

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

Debug

<global> main(): int

Management

Projects Files

Workspace

TP_MOD7_130121

Sources

main.cpp

nasabahbrmg

Headers

Nasabahbrmg

```
21 insertFirst_1301213126(L,F);
22
23     cout<<endl;
24     i++;
25 }cout<<nData<<"Data Telah Ditambahkan"<<endl;
26 break;
27
28 case 2 :
29     ShowAll_1301213126(NUM);
30     break;
31
32 case 3 :
33     cout << " Masukkan data : ";
34     cin >> x;
35     //ReserveList_1301213126;
36     break;
37
38 case 4 :
39     cout << " Masukkan Data : ";
40     cin >> x;
41     //Masukkan_1301213126;
42     break;
43 }
44
45 pilihan = selectMenu_1301213126();
46
47 cout << "ANDA TELAH KELUAR DARI PROGRAM" << endl;
48 return 0;
49
50 }
```

D:\DOC\TELKOM\KULOAH\STRUKDAT\tugas\TP_MOD7_1301213126_IF4511\main.cpp C/C++ Windows (CR+LF) WINDOWS-1252 Line 41, Col 15, Pos 1303 Insert Read/Write default

D:\DOC\TELKOM\KULOAH\STRUKDAT\tugas\TP_MOD7_1301213126_IF4511\bin\Debug\TP_MOD7_1301213126_IF4511.exe

```
===== MENU =====
1. Menambah N data baru
2. Menampilkan semua data
3. Membalik List
4. Rerata
0. Exit
Masukkan menu: 1
Jumlah data yang akan ditambahkan:2
0Data Telah Ditambahkan
===== MENU =====
1. Menambah N data baru
2. Menampilkan semua data
3. Membalik List
4. Rerata
0. Exit
Masukkan menu: 2
Nilai saat ini : 2
===== MENU =====
1. Menambah N data baru
2. Menampilkan semua data
3. Membalik List
4. Rerata
0. Exit
Masukkan menu: 3
Masukkan data :4
===== MENU =====
1. Menambah N data baru
2. Menampilkan semua data
3. Membalik List
4. Rerata
0. Exit
Masukkan menu: 4
Masukkan Data : 5
===== MENU =====
1. Menambah N data baru
2. Menampilkan semua data
3. Membalik List
4. Rerata
0. Exit
Masukkan menu:
0
ANDA TELAH KELUAR DARI PROGRAM

Process returned 0 (0x0)   execution time : 23.593 s
Press any key to continue.
```