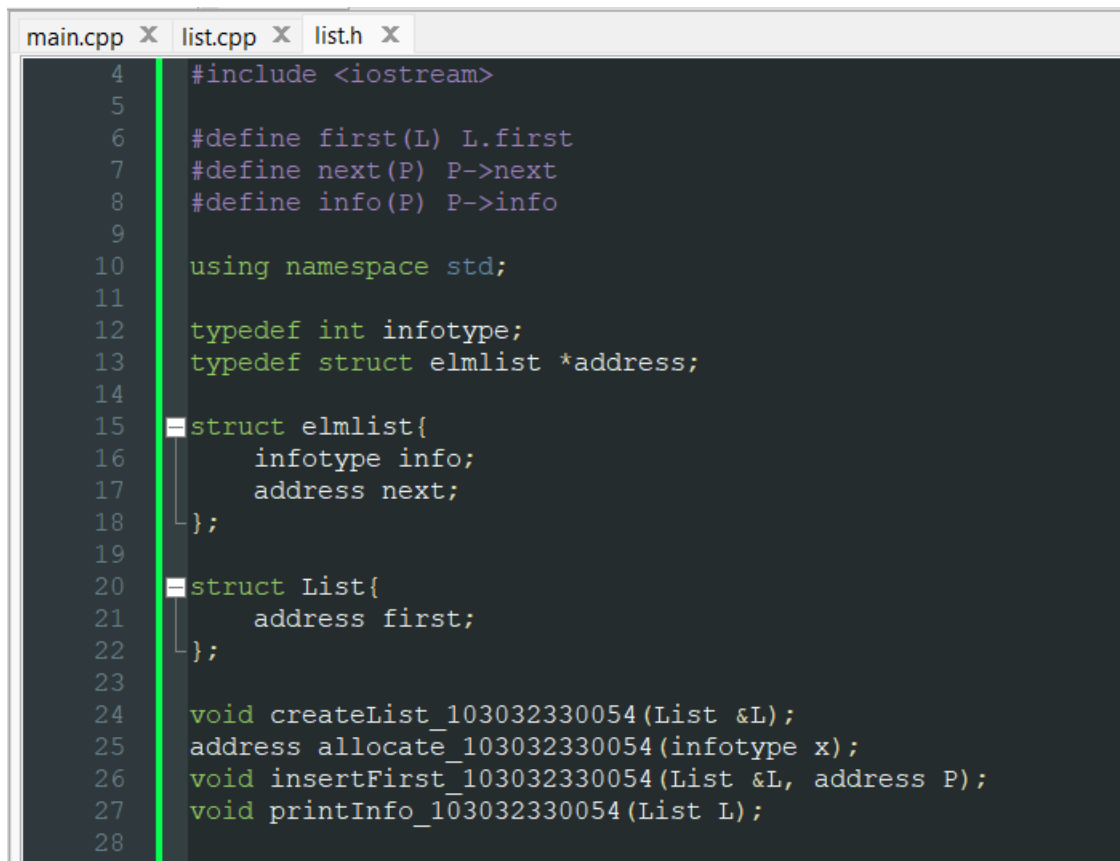


main.cpp :

```
main.cpp x list.cpp x list.h x
1  #include <iostream>
2  #include "list.h"
3  using namespace std;
4
5  int main()
6  {
7      List L;
8      int masukan=0;
9      address P;
10
11     createList_103032330054(L);
12     cout << "Masukkan angka pertama: ";
13     cin >> masukan;
14     P = allocate_103032330054(masukkan);
15     insertFirst_103032330054(L,P);
16     printInfo_103032330054(L);
17
18
19     cout << "Masukkan angka kedua: ";
20     cin >> masukan;
21     P = allocate_103032330054(masukkan);
22     insertFirst_103032330054(L,P);
23     printInfo_103032330054(L);
24
25
26     cout << "Masukkan angka ketiga: ";
27     cin >> masukan;
28     P = allocate_103032330054(masukkan);
29     insertFirst_103032330054(L,P);
30     printInfo_103032330054(L);
31 }
32
```

list.h :



```
main.cpp X list.cpp X list.h X
4      #include <iostream>
5
6      #define first(L) L.first
7      #define next(P) P->next
8      #define info(P) P->info
9
10     using namespace std;
11
12     typedef int infotype;
13     typedef struct elmlist *address;
14
15     struct elmlist{
16         infotype info;
17         address next;
18     };
19
20     struct List{
21         address first;
22     };
23
24     void createList_103032330054(List &L);
25     address allocate_103032330054(infotype x);
26     void insertFirst_103032330054(List &L, address P);
27     void printInfo_103032330054(List L);
28
```

list.cpp :

```
1  #include <iostream>
2  #include "list.h"
3
4  using namespace std;
5
6  void createList_103032330054(List &L){
7      first(L) = NULL;
8  }
9
10 void address allocate_103032330054(intotype x){
11     address p = new elmList;
12     info(p) = x;
13     next(p) = NULL;
14
15     return p;
16 }
17
18 void insertFirst_103032330054(List &L, address P){
19     next(P) = first(L);
20     first(L) = P;
21 }
22
23 void printInfo_103032330054(List L){
24     address p = first(L);
25     while (p != NULL){
26         cout << info(p) << ", ";
27         p = next(p);
28     }
29     cout << endl;
30 }
```

hasil :

```
"D:\Kuliah\Semester 3\STD\Source-Code-Smt-3\Modul 4\TP 4\bin\Debug\TP 4.exe"
Masukkan angka pertama: 0
0,
Masukkan angka kedua: 5
5, 0,
Masukkan angka ketiga: 4
4, 5, 0,

Process returned 0 (0x0)   execution time : 2.804 s
Press any key to continue.
```