```cpp
#ifndef ADT_H
#define ADT_H

#include <iostream>
#define first(L) L.first
#define next(P) P->next
#define info(P) P->info

using namespace std;

typedef int infotype;

typedef struct elmlist *address;

struct elmlist {
    infotype info;
    address next;
};

struct List{
    address first;
};

void createList(List &L);
address allocate(infotype x);
void insertFirst(List &L, address P);
void printInfo(List L);

#endif // ADT_H
```

```cpp
#include "adt.h"
#include <iostream>

using namespace std;

void createList(List &L){
    first(L) = NULL;
}

address allocate(infotype x){
    address P = new elmlist;
    info(P) = x;
    next(P) = NULL;

    return P;
}

void insertFirst(List &L, address P){
    next(P) = first(L);
    first(L) = P;
}

void printInfo(List L){
    address p = first(L);
    while (p != NULL) {
        cout << p->info << ", ";
        p = p->next;
    }
    cout << endl;
}
```

```cpp
#include "adt.h"
#include <iostream>

using namespace std;

int main() {
    List L;
    createList(L);
    int a, b, c;

    cout << "Masukan digit NIM pertama: ";
    cin >> a;
    address NIM1 = allocate(a);
    insertFirst(L, NIM1);

    cout << "Masukan digit NIM Kedua: ";
    cin >> b;
    address NIM2 = allocate(b);
    insertFirst(L, NIM2);

    cout << "Masukan digit NIM ketiga: ";
    cin >> c;
    address NIM3 = allocate(c);
    insertFirst(L, NIM3);

    printInfo(L);

    return 0;
}
```

```
Masukan digit NIM pertama: 2
Masukan digit NIM Kedua: 4
Masukan digit NIM ketiga: 3
3, 4, 2,

Process returned 0 (0x0)   execution time : 2.204 s
Press any key to continue.
```