Лабораторная № 2

АСД

Код на С++

#include<iostream>

#include<conio.h>

using namespace std;

struct Data

{

int key;

};

struct List

{

Data a;

List \*next;

};

void Print(List \*head)

{

List \*p = head;

{

cout << "Список : ";

while (p)

{

{

cout << p->a.key << " ";

p = p->next;

}

}

}

}

void Scan(List \*\*end, List \*head)

{

int n = 0;

List \*a = new List[n];

int i = 0;

cout << "Введите K элемент в списке : ";

cin >> n;

int c = n;

int \*b = new int[c];

int k = 0;

n = n--;

cout << "Введите элемент[" << (i + 1) << "] списка : ";

cin >> head->a.key;

for (i = 0; i < n; i++)

{

(\*end)->next = new List;

\*end = (\*end)->next;

cout << "Введите элемент[" << (i + 2) << "] списка : ";

cin >> (\*end)->a.key;

b[i] = (\*end)->a.key;

(\*end)->next = NULL;

}

Print(head);

cout << endl;

n = 0;

cout << "Введите M элемент в списке : ";

cin >> n;

for (i = 0; i < n; i++)

{

(\*end)->next = new List;

\*end = (\*end)->next;

cout << "Введите элемент[" << (i + 1) << "] списка : ";

cin >> (\*end)->a.key;

b[i] = (\*end)->a.key;

(\*end)->next = NULL;

}

}

void main()

{

Data a;

setlocale(LC\_ALL, "Rus");

List \*head = NULL;

head = new List;

List \*end;

end = head;

Scan(&end, head);

Print(head);

\_getch();

}