№1

#include <iostream>

using namespace std;

struct stack {

private:

int paz = 0;

int\* mas = new int[paz];

public:

void cmena(int pazz) {

int\* mas2 = new int[pazz];

for (int i = 0; i < pazz; i++)

mas2[i] = mas[i];

delete[] mas;

mas = mas2;

}

void push(int x) {

mas[paz] = x;

paz++;

cmena(paz);

}

void pop() {

paz--;

cmena(paz);

}

void peek() {

cout « mas[paz - 1] « " ";

}

};

int main() {

stack stek;

int z;

int size = 0;

while (z != 0) {

stek.push(z);

size++;

cin » z;

}

while (size > 0) {

stek.peek();

stek.pop();

size--;

}

return 0;

}