

Tema: Nuo C link C++. Stekas – “programa”.

// stack_1.c

```
#include <stdio.h>
#define STACK_SIZE 10

char stack[STACK_SIZE];
int top = 0;

void push(char c);
char pop(void);

int main(void) {
    int c;

    while ('\\n' != (c=getchar()) ) push(c);
    while ('\\n' != (c=pop()) ) putchar(c);

    return 0;
}

void push(char c) {
    if (top < STACK_SIZE) stack[top++] = c;
    else printf("Stekas pilnas\\n");
}

char pop(void) {
    if (top > 0) return stack[--top];
    printf("\\nStekas tuscias");
    return '\\n';
}
```

```
12345
54321
Stekas tuscias
```