

Tema: Nuo C link C++. Stekas – “modulis su paslėpta realizacija”.

// stack_3.h

```
#define STACK_SIZE 10
void reset(void);
void push(char);
char pop(void);
```

// stack_3.c

```
#include <stdio.h>
#include "stack_3.h"

static char stack[STACK_SIZE];
static int top = 0;
static int is_empty (void) {return (0 == top);}
static int is_full (void) {return (STACK_SIZE == top);}

void reset(void) {
    top=0;
}
void push(char c) {
    if ( !is_full() ) stack[top++] = c;
    else printf("Stekas pilnas\n");
}
char pop(void) {
    if ( !is_empty() ) return stack[--top];
    printf("\nStekas tuscias");
    return '\n';
}
```

// driver_3.c

```
#include <stdio.h>
#include "stack_3.h"
extern char stack[STACK_SIZE];
extern int top;

int main(void) {
    int c;

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

    is_full();
    stack[top++] = '!';
```

Link error: Unresolved external '_is_full' referenced from DRIVER_3.OBJ
Link error: Unresolved external '_stack' referenced from DRIVER_3.OBJ
Link error: Unresolved external '_top' referenced from DRIVER_3.OBJ

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

return 0;
```