

```
// 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;}
```