

// stack_6.h

```
const int STACK_SIZE = 10;
```

```
class stack {
```

```
private:
```

```
    char stackas[STACK_SIZE];
```

```
    int top;
```

```
    int is_empty ();
```

```
    int is_full ();
```

```
public:
```

```
    stack();
```

```
    void push(char);
```

```
    char pop();
```

```
};
```

// stack_6.cpp

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

```
#include "stack_6.h"
```

```
stack::stack () {top=0;}
```

```
int stack::is_empty () {return (0 == top);}
```

```
int stack::is_full () {return (STACK_SIZE == top);}
```

```
void stack::push(char c) {...}
```

```
char stack::pop() {...}
```

// driver 6.cpp

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

```
#include "stack_6.h"
```

```
int main(void) {
```

```
    int c;
```

```
    stack st1, st2;
```

```
    while ( '\n' != (c=getchar()) ) st1.push(c);
```

```
    while ( '\n' != (c=st1.pop()) ) putchar(c);
```

```
    while ( '\n' != (c=getchar()) ) st2.push(c);
```

```
    while ( '\n' != (c=st2.pop()) ) putchar(c);
```

```
    st1.stackas[st1.top++] = '!';
```

```
Error Driver_6.cpp : 'stack::stackas' is not accessible in function main()
```

```
Error Driver_6.cpp : 'stack::top' is not accessible in function main()
```

```
return 0;
```

```
}
```