

TP 2 - Problem 7 - I

```
1  #include <iostream>
2
3  #define SHOW(arg) std::cout << "Macro SHOW \"" #arg "\": " << (arg) << '\n';
4
5  int mystrlen(char const *chr_ptr) {
6      char const *end_ptr{chr_ptr};
7      // Search for the null character.
8      while (*end_ptr != '\0')
9          ++end_ptr;
10     // The difference between two pointers gives the number of elements.
11     return end_ptr - chr_ptr;
12 }
13
14 int main() {
15     SHOW(mystrlen(""))
16     SHOW(mystrlen("123"))
17     return 0;
18 }
```

TP 2 - Problem 7 - II

Output:

- 1 Macro SHOW "mystrlen(")": 0
- 2 Macro SHOW "mystrlen("123")": 3