

# C Programming

## Lab 7: Function and Arrays (2)

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# Count the frequency of chars in a string: the problem

- Given a string `char s[] = "aa56231332bbAcc11"`
- Count the frequency of each character in the string
- Output: a: —> 2
- b: —> 2
- c: —> 2
- .....
- 1: —> 3
- Define an array `int freq[128];`
- If there is no occurrence for a character, **should not be displayed**

# Insert numbers to a sorted array: the problem

- Given a sorted array  
 $a[13] = \{10, 14, 15, 18, 19, 21, 22, 31, 32, 35, 0, 0, 0\}$
- Insert elements of  $b[3] = \{55, 17, 32\}$  one by one into **a**
- Keep the order of array **a** and print it out

# Remove redundant blanks from a string: the problem

- Given a string `str[]=" who am i. To be or not to be"`
- Remove redundant blanks ' ' from this string
- The result should be "who am i. To be or not to be"

```
1 void cleanStr(char str[])
2 {
3     //filling your code
4 }
5
6 int main()
7 {
8     char str[]=" who am i. To be or not to be ";
9     cleanStr(str);
10    printf("%s\n", str);
11 }
```