

C-Strings

 The C-style character string originated within the C language and continues to be supported within C++.
 This string is actually a one-dimensional array of characters which is terminated by a **null** character '\0'.

Operations with c-strings

1. strcmp(string1, string2) -- comparison

Return 0 – when strings are identical;

Return ASCII value of absolute difference in sums of the two strings.

2. strcpy(target_string, source string); -- copying

Copies the C-string variable source string into the C-string variable target string.

- 3. int length = strlen(source_string); -- length
- 4. cin.getline(string_variable, max_chars+1); -- reading in input

(check for more in the pdf)

Don't forget to add a library to use cstrings

#include <cstring>

Function declaration

- return_type function_name(arguments list)
- { body of the function }

Return Type

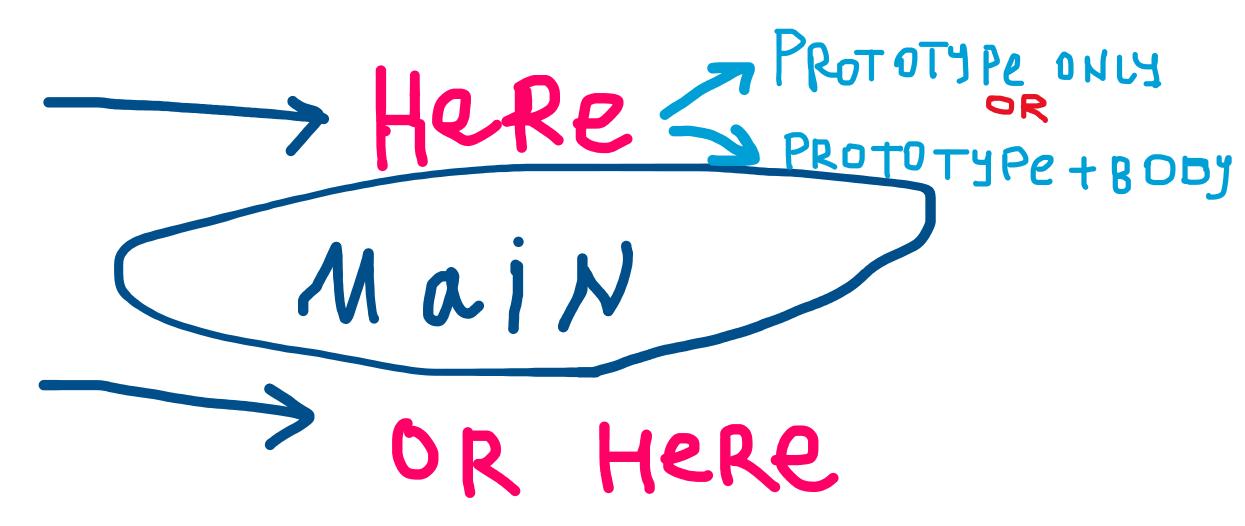
A function may return a value. The **return_type** is the data type of the value the function returns.

Some functions perform the desired operations without returning a value. In this case, the return_type is the keyword **void**.

Where to declare the function?

- **1. Always put function prototype BEFORE the main function**(otherwise you will not be able to use it in your code).
- 2. The body of the function can <u>follow the prototype</u> **OR** can be placed <u>after the main function.</u>

Where to declare the function?



```
#include<iostream>
#include <cstring>
int main()
cout <<"Bonjour world!"<<endl;</pre>
return 0;
```