* STRINGS

**string handling** refers to the manipulation and use of strings (sequences of characters). There are **two main ways** to handle strings:

1. **C-style strings (character arrays)**
2. **C++ string class (from <string> library)**

1. **C-Style Strings C-style strings are arrays of characters ending with a null character ('\0').**

**Example:**

**#include <iostream>**

**#include <string>**

**using namespace std;**

**int main () {**

**char str1[20] = "Hello";**

**char str2[] = "World";**

**strcat (str1, str2); // Join strings**

**cout << str1; // Output: HelloWorld**

**}**

1. **C++ string Class C++ provides a more flexible and powerful string class in the <string> library.**

**Example:**

**#include <iostream>**

**#include <string>**

**using namespace std;**

**int main() {**

**string s1 = "Hello", s2 = "World";**

**string result = s1 + " " + s2;**

**cout << result; // Output: Hello World**

**}**