String

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- String is inbuilt class in C++ and also Can
     be used as a data type to store text
     between double quotes
    String name = "Ahmed";
     in this line string is behaves as a data type
   String is actually behaves like a character
     array but in character array we have to
     take care of NULL character '10' which not
    found in the string.
- How you can store a mattific
                                           string?
    17 using 20 Array
                                                                      First String
second String
  → Char nome[100][109;
                                                                       Third string
   Note: This way is no
                                                                        99 string
     2] using vectors
   → Vector < string > Vstring;
   V. Push - b wck (" Ahmed ");
                                      String
                                                                  String
   V.Push_back (" Ali ");
   V. Push - back (" Mona");
       for (int i=0; i < vstring. Size(); i++)
         → Cout << Vstring[i] << " ";
         · Sort (vstring[1]. begin(), vstring[1].end());
         → cout << v string[i] << endl;
       }
         How to use getline with string
        string str;
        → getline(cin, Str); // "Ahmed"
          how you can use spaces in your input
           After toxing the input you can treat with
           the string as an array
           → Cout << str[o] << endl; // A
           - Cout << str[1] << endl; // n
           - Cout << str(2) << endl; // m
 1. length() / size(): Returns the length of the string.
  2. empty(): Checks if the string is empty.
  3. clear(): Clears the contents of the string.
  4. append() / +=: Appends a string or a character to the end of the string.
  5. insert(): Inserts characters into the string at a specified position.
  6. erase(): Erases characters from the string.
  7. replace(): Replaces a portion of the string with another string.
  8. substr(): Extracts a substring from the string.
  9. find() / rfind(): Searches for a substring within the string.
  10. compare(): Compares two strings.
 11. at() / \Pi: Accesses individual characters in the string.
 12. c str(): Returns a pointer to a null-terminated character array representing the string.
 13. resize(): Resizes the string.
  14. swap(): Swaps the contents of two strings.
 15. getline(): Reads a line from an input stream into the string.
```