

## **String built-in functions:**

### **1. Capacity**

- a. `s.size()` -> returns the size of the string.
- b. `s.max_size()` -> returns the maximum size that string can hold.
- c. `s.capacity()` -> returns current available capacity of the string.
- d. `s.clear()` -> clear the string.
- e. `s.empty()` -> return true/false if the string is empty.
- f. `s.resize()` -> change the size of the string.

### **2. Element access**

- a. `S[i]` -> access the ith index of the string.
- b. `s.at(i)` -> access the ith index of the string.
- c. `s.back()` -> access the last element of the string.
- d. `s.front()` -> access the first element of the string.

### **3. Modifiers**

- a. `s+=` -> append another string.
- b. `s.append()` -> append another string.
- c. `s.push_back()` -> add character to the last of the string.
- d. `s.pop_back()` -> remove the last character of the string.
- e. `s=` -> assign string.
- f. `s.assign()` -> assign string.
- g. `s.erase()` -> erase characters from the string.
- h. `s.replace()` -> replace a portion of the string.
- i. `s.insert()` -> insert a portion to a specific position.

### **4. Iterators**

- a. `s.begin()` -> pointer to the first element.
- b. `s.end()` -> pointer to the next element after the last element of the string.