

C, C++, DSA in depth

string



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Agenda

- ① string
- ② creating string
- ③ printing string
- ④ string methods

String

The standard C++ string is a container that enables the use of strings as normal types, such as comparison and concatenation operations, iterators, algorithms and copying.

This string is different from null terminated string.

The header used is `<string>`

Creating String

```
String s1 = "mysirg";
```

```
String s2;
```

print string

```
string s1="mysirg education services";
```

```
cout << s1;
```

using iterators

```
string::iterator it;
```

```
for ( it = s1.begin(); it != s1.end(); it++)
```

```
    cout << *it;
```

Methods of string

at()

back()

front()

c_str()

assign()

append()

insert()

begin()

end()

cbegin()

cend()

rbegin()

rend()

crbegin()

crend()

compare()

empty()

find()

substr()

swap()

erase()

clear()

pop_back()

push_back()

replace()

capacity()

size()

length()

Operators on String

=

+

+=

[]