* String Sinifi:

'hem vooler, hem string able structure olgok

```
> Dynamic Array:
· Tutulon Tuye soyusu -
                       → 512€
· Drunin thatleres is sylve
                                                  Copacity ortisi compiler a belli and reserved on the ile ancionic
* recloc tokes time
threalloc involides pointer and refs
· Bayler contiguous - a lo or laye disti - index i bilinen'e ensim constant time
```

BIT closs templete (genera) · Sking aslunder tor es isim.

```
using strting = std::basic_string<char, std::char_traits<char>, std::allocator<char>>;
                                                                         P
int main()
                                                                    legre nogil
                                                trait
```

en member Anationic gov. -> Contamer lar var

sequential containers std::vector std::deque std::list std::forward_list std::array std::string associative containers std::set std::multiset std::map std::multimap unordered associative containers std::unordered_set std::unordered_multiset std::unordered_map

· Col wi flaction ve operator ower looking ver,

std::unordered_multimap

```
*CString porometreles: Artisizanter const char * argomen alle. Folest standa NULL learning alleman governit. Samulus median ()

{

Char str[100];

Str[0] = '0'; I

Str[1] = 'K';

*Str buside null terminoled byte streen. Degil |

(cstring )

*Conlect son learlier null degil , we cstring these fine term

to str[1] = 'K';

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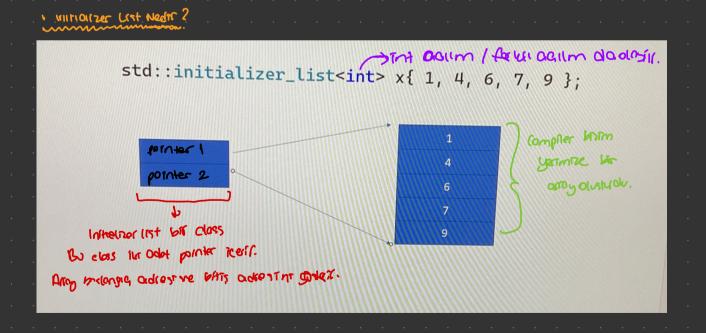
(cstring )

**Str buside null terminoled byte streen. Degil |

(cstring )
```

· Catring -> sounds and locality day by your actor "mert" got

```
string
                                const std::string &
                                std::string && -> tesmo senanti klunv.
const char *-nulcra wuntri
string
cstring parametre
                                const char *, string::size_type n - tosma hatos thuming burn's
data
                                [konum1 konum2)
range
                                string::size_type, char
fill
char
                                const string&str, string::size_type idx
substring
                                const string&str, string::size_type idx, string::size_type n
substring
                                std::initializer_list
initializer_list
```



· So It olama amagli bir liste olustrur.

```
#include <iostream>
#include <iostream>
#include <initializer_list>

#int main()

{

std::initializer_list<int> x( 1, 2, 3, 4, 5 );

std::cout << "sizeof(x) = " << sizeof(x) << "\n"; > ux2 = 0

std::cout << "sizeof(int*) = " << sizeof(int*) << "\n";
```

```
#include <iostream>
#include <iostream>
#include <initializer_list>

pint main()
{
    std::initializer_list<int> mylist{1, 2, 3, 4, 5};

    std::cout << "mylist.si<e() = " << mylist.size() >< "\n";
```

· Bogn ve end fontigonari da, bonlaggia ve bitis adventarios telan pointer i dandoror.

```
=#include <string>
#include <iostream>
#include <initializer_list>

=int main()
{
    std::initializer_list<int> mylist{1, 2, 3, 4, 5, 9, 2};

    auto p1 = mylist.begin();
    auto p2 = mylist.end();
}
```

· longe bosed for loopla hillentebiss.

```
#include <string>
#include <iostream>
#include <initializer_list>

using namespace std;

pint main()
{
    std::initializer_list<int> mylist{1, 2, 3, 4, 5, 9, 2};

    for (auto i : mylist) {
        std::cout << i << "\n";
    }
}
```

```
#include <iostream>
#include <iostream>
#include <initializer_list>

using namespace std;

int main()

auto x = { 1, 3, 5, 6, 7 };

//std::initializer_list<int> x = { 1, 3, 5, 6, 7 };
```

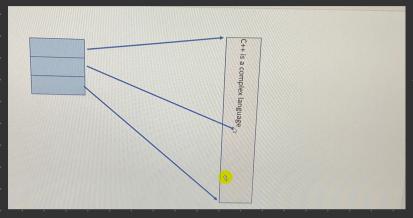
* Fourt Bir class in institute inthis Constitutes a verse Daronin laying legal

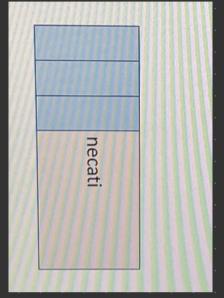
- Vektor ve string binders doublet.

- Small String Optimization:

- Sking smili genelle
- Dinamik believ alanının barlangırı
- String in some (ellene yop locok ya)
- Kaposte olarak fetulan, son bellek bilige

int main() string str{"C++ is a complex language"}





- · Kccik bir yon, string nognegi rande ki bufforda tutukr.
- · York bouch office, new the yestilbeliated there edicate
- · streof(std: string) = 24