use custom comparator in sort function

```
String s = "join";
sort(s.begin(), s.end());
```

increase order

"aijn"

But how to sort in decreasing w/o using reverse()?

we use custom comparator

```
bool cmp(char first, char second)
{
    return first > second;
}
```

Syntax to write comparator

Sort function send by itself

if true → place first char first

if false → place second char first

```
sort(s.begin(), s.end(), cmp)
```

vector <string> str { "love", "bobban", "aditya", "jain" };

Sort → first letter cmp (Lexicographical)

↘ Char sum

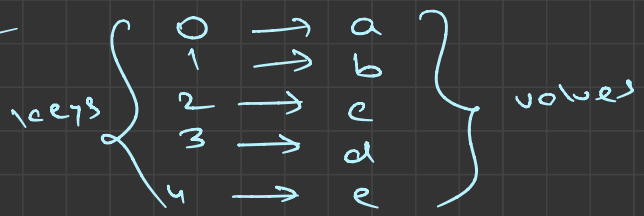
love = 12 + 15 + 22 + 5 => 54

bobban = 2 + 1 + 2 + 2 + 1 + 18 => 26

bobban comes first

Hashmap → data structure
↳ key-value pairs

for eg




```
#include <map>

map<int, char> mp;

mp[0] = 'a';
mp[1] = 'b';
mp[2] = 'c';
```