1/03/2023

Using comparator function with inbuilt Sort function

String s = "bhavya"; Sort (s. begin(), s.end()); cout << s;

The output of the above code will be aabhyy and this is sorted in the increasing order but what if we want to sort in decreasing order. Here we will use the custom comparator whose work is to compare.

bool cmp (charf, chars) {

return f>s;

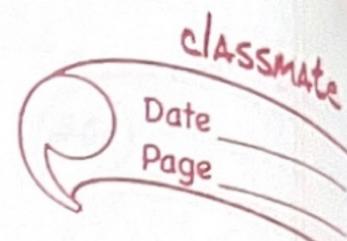
Sort (s. begin (), s. end (), cmp); comparator

Output -> yvhbaa

Note - In the custom comparator function, if f>5, then true will be returned else false will be returned.

We have used bool as return type as it is the part of syntax.

	Page
1	return f>si
	If f is greater than s, then true is returned & this means f will be placed
	returned & this means of will be blaced
	first and then s will be placed.
	$i^* \Omega^2 = [0] 10 M U M$
	Sorting vector with help of comparator
	function in decreasing order
	Note to the company of the cholor
	Vector < int> V { 3, 4, 1, 2, 53;
	sort (V. begin(), V. end(), cmp)
_	for (auto i: V) {
_	cout << (° << (° >);
	J
	Laal (in 1 = in 1 1) S
	bool cmp (int a, int b) { return a > bi -> Place a first if
	3 it returns true else
	place b first.
	Output 5 4 3 2 1
	5 4 3 2 1
100	
(function will be on the basis of the
	sorting algorithm.
	Hachi
-	At ic a data churching in which data is stored
	Hashmap 9t is a data structure in which data is stored in the form of key-value pair.
	Rey Value
	a mappings
The second second	b are 2 Stored
	2 Stored



Syntax plata type of value map <int, char) my Map; name of map data type of key

Inserting values into map my Map [o] = ca'; hey be value

At, Size, empty, insert, clear, erase, count are some functions that we use commonly.

This will automatically detect the data type of the variable.

for (auto i : val) { vector < char)

cout << i << " > ; vector < string>

3

duddu ()