comparator Function STL

a cuitom comparator: By using comparator function, we can define custom behaviour in sorting.
For example: If we write a string & sort it using STL sort function. Then it will sort the string in ascending order.

int main () Estring s = "vanshika"; sort (s. begin (), s. end ()); cout << s ; 14 you and 110 chout it return Oprogramos alla 1911que

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INVESTOR ACTIVITY TO POLICE If we want to print this string in descending order, then if we use sorting function like this:-

sort (s, end(), s, begin());

D by using this, nothing will print.

In this situation, we use our custom comparator Function.

JTZ Cateun....

Basically, "comparator" function returns a value, convertible to bool, which basically tells us whether the passed "first" argument should be placed before the passed "second" argument or not

& what is the use of comparator in sort function?

By applying the comparator function along with a sorting algorithm.
sort() is able to determine the order

that the elements should be in for

the seamence to be sorted.

Thats all the sort () function does, it applies the comparator function to pairs of elements and rearranges them until the seawence is sorted.

Comparator function returns bool value & take 2 characters at a time,

bool emplehara, char b)

return a (b;

this means if a is less than b then return true

code:bool emp (char a, char b) return a < b; int main () strings = "vanshika"; sort (s. begin (), s. end(), cmp); cout << s << endl; return 0. Here we pall our cmp function this function will sort the string in ascending 5 order. 5 Now, if we want the string in descen -ding order, then we don't need to do any changes is sort function, just 2 change the < to > in comparator function, bool emp (chara, char b) return a > b;

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cases we use custom sort.

the built in comparator to sort the string in descending order.