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Online C++ Compiler.

Code, Compile, Run and Debug C++ program online.

Write your code in this editor and press "Run" button to compile and execute it.

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#include <iostream>

using namespace std;

template <typename T>

void display(T \*ptr,int i)

{

cout<<endl<<"Final Output (Sorted array) is:";

for(int j=0;j<i;ptr++,j++)

{

cout<<endl<<"Element "<<j+1<<" is:"<<\*(ptr);

}

}

template<typename T>

void sort(T x[100],int i)

{

T a;

cout<<endl<<"Sorting...............................";

for(int z=0;z<i;z++)

{

for(int j=0;j<i;j++)

{

if(x[j]>=x[j+1])

{

a=x[j];

x[j]=x[j+1];

x[j+1]=a;

}

}

}

display(&x,i);

}

int main()

{

cout<<"Using templates to sort array...............................";

int x[]={3,6,1,10};

int i[]={4,4};

char y[]={'a','r','n','t'};

int t=1,z=1;

// cout<<endl<<"Enter no. of elements to enter:";

// cin>>i[0];

/\* cout<<endl<<"Enter elements for integer array........................";

for(t=0;t<i[0];t++)

{

cout<<endl<<"Enter element "<<t+1<<" :";

cin>>x[t];

}\*/

cout<<endl<<" Integer Array Recieved...............................";

// cout<<endl<<"Enter no. of elements to enter:";

// cin>>i[1];

/\*cout<<endl<<"Enter elements for Character array........................";

for(t=0;t<i[1];t++)

{

cout<<endl<<"Enter element "<<t+1<<" :";

cin>>y[t];

}\*/

cout<<endl<<"Character Array Recieved...............................";

sort<int>(x,i[0]);

sort<char>(y,i[1]);

cout<<endl<<"Ending Program...........................";

return 0;

}