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\* C++ Program to Implement Insertion Sort

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#include <iostream>

using namespace std;

int main()

{

int a[20], i, j, k,n ,temp;

cout<<"Enter the elements out of 20\n";

cin>>n;

for (i = 0; i < n; i++)

{

cin>>a[i];

}

///////////////////////////////////////////

for (i = 1; i < n; i++)

{ // 0 1 2 3 4 5

for (j = i; j >= 1; j--)

{ // 10 8 6 4 2 0

if (a[j] < a[j-1]) //asendin 8<10 > use for desending order6

{ // temp 8 ,a[j]=a[j-1]=10, a[j-1]=temp=8

temp = a[j];

a[j] = a[j-1];

a[j-1] = temp;

}

else

break;

}

}

cout<<"sorted array\n"<<endl;

for (i = 0; i < n; i++)

{

cout<<a[i]<<endl;

}

getchar();

getchar();

return 0;

}