CPP code for bubble sort

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 #include<iostream>
#include<stdlib.h>
#include<omp.h>
using namespace std;
void bubble(int *, int);
void swap(int &, int &);

void bubble(int *a, int n)
{
for( int i = 0; i < n; i++ )
{
int first = i % 2;
#pragma omp parallel for shared(a,first)
for( int j = first; j < n-1; j += 2 )
{
if( a[ j ] > a[ j+1 ] )
{
swap( a[ j ], a[ j+1 ] );
}
}
}
}

void swap(int &a, int &b)
{
int test;
test=a;
a=b;
b=test;
}
int main()
{

int *a,n;
cout<<"\n enter total no of elements=>";
cin>>n;
a=new int[n];
cout<<"\n enter elements=>";
for(int i=0;i<n;i++)
{
cin>>a[i];
}
bubble(a,n);
cout<<"\n sorted array is=>";
for(int i=0;i<n;i++)
{
cout<<a[i]<<endl;
}
```

return 0;
}

Output