Assignment No. 2 A

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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:
enter total no of elements=>5
enter elements=>1
5
3
6
4
sorted array is=>1
3
4
5
6
```