TASK 1

#include<iostream>

using namespace std;

int main() {

int size=5,array[size]={1,2,3,4,5},sum,avg;

for(int i=0;i<size;i++){

sum=sum+array[i];

}

avg=sum/size;

cout<<"average of the elements is :"<<avg<<endl;

return 0;

}



TASK 2

#include<iostream>

using namespace std;

void bubbleSort(int array[], int n);

int main() {

int array[5]={12,11,14,15,7};

bubbleSort(array, 6);

cout << "Sorted array: ";

for (int i = 0; i < 6; i++){

cout << array[i] << " ";

}

return 0;

}

void bubbleSort(int array[], int n) {

for (int i = 0; i < n-1; i++) {

for (int j = 0; j < n-i-1; j++) {

if (array[j] > array[j+1]) {

int temp = array[j];

array[j] = array[j+1];

array[j+1] = temp;

}

}

}

}



TASK 3

#include <iostream>

using namespace std;

int main(){

int size=5;

double ar[size]={2,4,3,1,5};

cout<<endl;

cout<<"Entered integers are: ";

for (int i=0;i<size;++i){

cout<<ar[i]<<" ";

}

int n=size;

double temp;

int m;

for (int k=0; k<=n-2;++k){

m=k;

for (int j=k+1;j<n; ++j){

if (ar[j]<ar[m]){

m=j;

}

}

temp=ar[m];

ar[m]=ar[k];

ar[k]=temp;

}

cout<<endl<<endl;

cout<<"array after sorting is: ";

for(int i=0;i<size;++i){

cout<<ar[i]<<" ";

}

cout<<endl;

}

