#include <stdio.h>

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

int main()

{

int n, i;

printf("Enter the number of Elements: ");

scanf("%d", &n);

int arr[n];

printf("Enter the Elements:\n");

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

{

scanf("%d", &arr[i]);

}

bubbleSort(arr, n);

printf("Sorted Array:\n");

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

{

printf("%d ", arr[i]);

}

return 0;

}

void bubbleSort(int arr[], int n)

{

int i, j, temp;

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

{

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

{

if(arr[j] > arr[j+1])

{

temp = arr[j];

arr[j] = arr[j+1];

arr[j+1] = temp;

}

}

}

}

OUTPUT:

Enter the number of Elements: 5

Enter the Elements:

-2 45 0 11 -9

Sorted Array:

-9 -2 0 11 45