Program-3

WRITE A PROGRAM TO PERFORM BUBBLE SORT

```c
#include<stdio.h>

void bubbleSort(int arr[],int n)
{
    for(int i=0;i<n-1;i++)
    for(int j=0;j<n-i-1;j++)
    {
        if(arr[j]>arr[j+1])
        {   int temp=arr[j];
            arr[j]=arr[j+1];
            arr[j+1]=temp; }
    }
    for(int i=0;i<n;i++)
    printf("%d ",arr[i]);
}
void main()
{int size;
    printf("Enter the size of array\n");
    scanf("%d",&size);
    int i,arr[size];
    printf("Enter the array elements\n");
    for(i=0;i<size;i++)
    scanf("%d",&arr[i]);
    bubbleSort(arr,size); }
```

OUTPUT:

SORTED ARRAY:

```
Enter the size of array
5
Enter the array elements
2
7
3
5
4
The Sorted array is
2 3 4 5 7
```