



LAB Manual 8 (Lab tasks)

```

#include <bits/stdc++.h>

using namespace std;

int main()
{
    int x, sum=0;
    cin>>x;
    int bar[x]={};
    for (int i=0; i<x ; i++){
        cin>>bar[i];
    }
    for(int j=0; j<x ; j++){
        sum=sum+bar[j];
    }
    float avg,z;
    z=x;
    avg=sum/z;
    cout<<"Average is"<<avg<<endl;

    return 0;
}

```

```

C:\Users\Dell\Desktop\hi\LMt
9
3
5
4
6
7
3
2
1
10
Average is=4.55556

Process returned 0 (0x0)   execution time : 10.261 s
Press any key to continue.

```

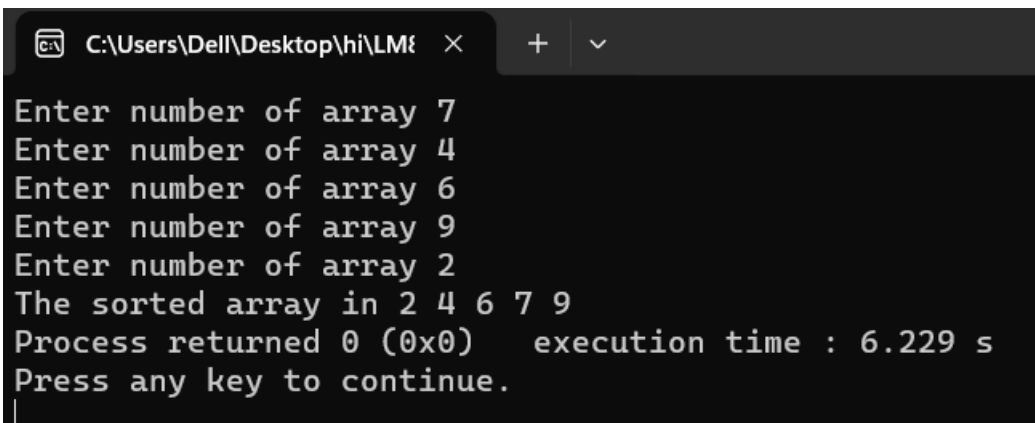
```

#include <bits/stdc++.h>

using namespace std;

int main()
{
    int x=5;
    int arr[x]={};
    for(int i=0; i<x; i++){
        cout<<"Enter number of array ";
        cin>>arr[i];
    }
    cout<<"The sorted array in ";
    for (int j=0; j<x;j++){
        for(int k=j+1; k<x ; k++){
            int y;
            if(arr[j]>arr[k]){
                y=arr[j];
                arr[j]=arr[k];
                arr[k]=y;
            }
        }
        cout<<arr[j]<<" ";
    }
    return 0;
}

```



```

C:\Users\Devl\Desktop\hi\LMf  x  +  v
Enter number of array 7
Enter number of array 4
Enter number of array 6
Enter number of array 9
Enter number of array 2
The sorted array in 2 4 6 7 9
Process returned 0 (0x0)   execution time : 6.229 s
Press any key to continue.

```

```

int main() {
    int x=5;
    int bar[x]={};
    for (int i = 0; i<x; i++)
    {
        cout<<"Enter number of array "; //the array will be entered by user
        cin>>bar[i];
    }
    cout<<"The sorted array is ";
    int y=1;
    while (y<5) {
        for(int i=0;i<5-y;i++) {
            int z;
            if(bar[i]>bar[i+1]) {
                z=bar[i];
                bar[i]=bar[i+1];
                bar[i+1]=z;
            }
        }
        y++;
    }
    for(int i=0;i<x;i++) {
        cout<<bar[i]<<" ";
    }

    return 0;
}

```

C:\Users\Dell\Desktop\hi\LM{ x + v

```

Enter number of array 9
Enter number of array 5
Enter number of array 4
Enter number of array 6
Enter number of array 7
The sorted array is 4 5 6 7 9
Process returned 0 (0x0)   execution time : 4.628 s
Press any key to continue.

```