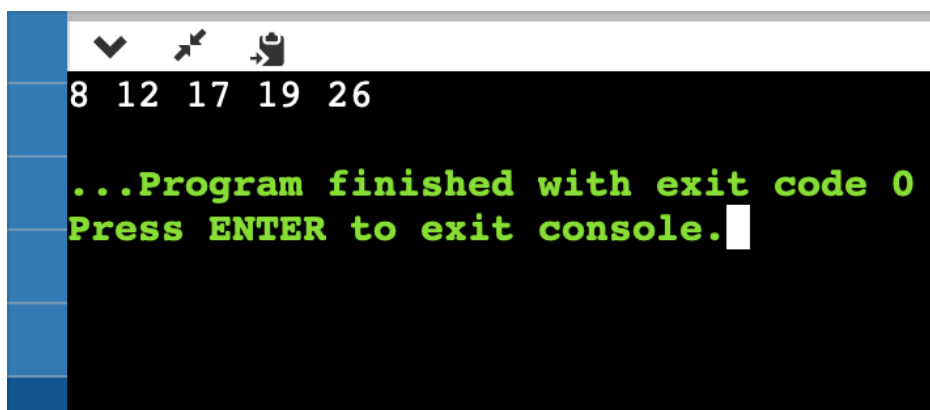# Fop lab Manual 8:

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lab task 2:

```cpp
#include <bits/stdc++.h>
using namespace std;
int main(){
    int x=5;
    int array[x]={19,17,12,26,8},min=0;
    for (int k=0; k<x;k++){
       min=array[k];
       for(int l=k; l<x; l++){
          if(min>array[l]){
             min=array[l];
             array[l]=array[k];
             array[k]=min;
          }
       }
       cout<<array[k]<<" ";
    }
}
```



```
8 12 17 19 26

...Program finished with exit code 0
Press ENTER to exit console.
```

lab task 1:

```cpp
#include<bits/stdc++.h>
using namespace std;
```

```cpp
int main(){

    double array[10];
    cout<<"enter 10 integers"<<endl<<endl;
        for(int k=0;k<=9;++k){
    cout<<"enter integer "<<(k+1)<<": ";
            cin>>array[k];
}
cout<<endl;
cout<<"current array: ";
for (int k=0;k<=9;++k){
    cout<<array[k]<<" ";
}
    int n=10;
    double temp;
    int a;
    for (int w=0; w<n-1;++w){
        a=w;
        for (int l=w+1;l<n; ++l){
            if (array[l]<array[a]){
                a=l;
            }
        }
    temp=array[a];
    array[a]=array[w];
    array[w]=temp;
    }
    cout<<endl<<endl;
    cout<<"array after sorting: ";
for(int k=0;k<10;++k){
    cout<<array[k]<<" ";
}
cout<<endl;
}
```

```
enter 10 integers

enter integer 1: 1
enter integer 2: 2
enter integer 3: 4
enter integer 4: 3
enter integer 5: 5
enter integer 6: 7
enter integer 7: 9
enter integer 8: 777
enter integer 9:
88
enter integer 10: 66

current array: 1 2 4 3 5 7 9 777 88 66

array after sorting: 1 2 3 4 5 7 9 66 88 777


...Program finished with exit code 0
Press ENTER to exit console.
```

task 3:


```cpp
#include<iostream>
using namespace std;
int main(){


int x;
cout<<"enter the number of elements "<<endl;
cin>>x;
int array[x], sum=0;
cout<<"enter the desired elements "<<endl;
for(int k=0;k<x;k++){
    cin>>array[k];
    sum+=array[k];
}
double avg=double(sum/x);
cout<<"the average of the entered element array is "<<avg;
```
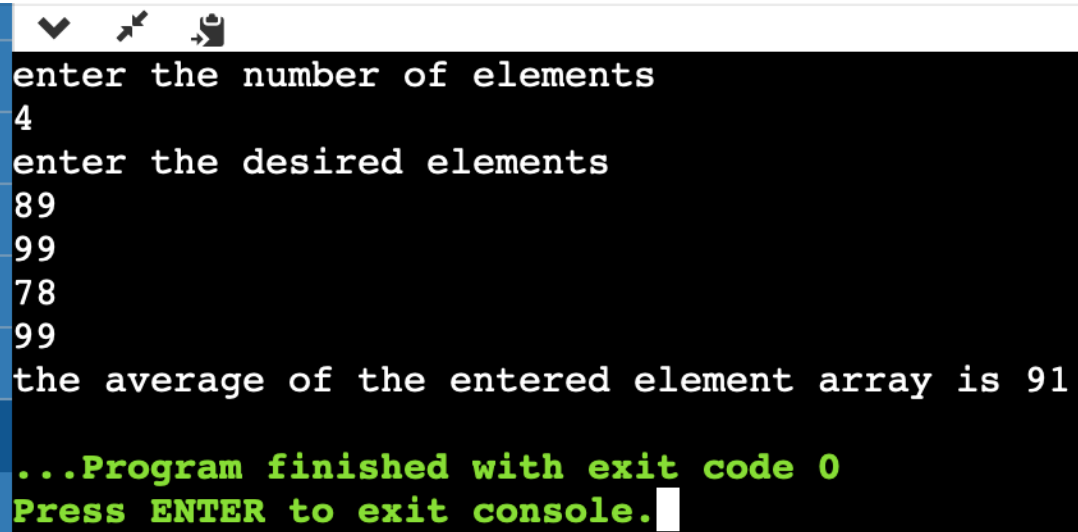
return 0;

}

```
enter the number of elements
4
enter the desired elements
89
99
78
99
the average of the entered element array is 91

...Program finished with exit code 0
Press ENTER to exit console.
```