Lab Manual #08



(Lab Tasks)

Course: Fundamentals of Programming (CS 114)

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Section	C		

Task-01

"Average Of Numbers Of Array"

Input

```
[*] Lab Manual 8 Task 1.cpp
 1
      #include <iostream>
 2
      using namespace std;
 3
 4
      int main ()
 5 🖵 {int n,i;
     float num[100],sum=0,average;
 7
      cout<<"enter the numbers: ";
 8
      cin>>n;
 9
          while(n>100 || n<=0)
          {cout<<"ERROR wrong range of number"<<endl;
10 -
11
          cout<<"enter correct range of number: ";</pre>
12
          cin>>n;
13
14
          for(i=0;i<n;i++)
15 🖃
          {cout<<i+1<<"enter number: ";
16
          cin>>num[i];
17
          sum+=num[i];
18
19
          average=sum/n;
20
          cout<<"average= "<< average;
21
22
          return 0;
23
```

Output

Task-02

"Bubble Sort"

Input

```
Lab Manual 8 Task 1.cpp | Id.exe | Lab Manual 8 lask 2.cpp
 #include<iostream>
using namespace std;
 for (int i=0;i<5;i++)
cout <<"enter integer "<<i+1<< ": ";
                cin >> a[i];
            cout << " input list ";
for (int i=0;i<5;i++)</pre>
            {
    cout <<a[i]<< " ";</pre>
            cout << endl;
21 =
            for (int i=0;i<5-1;i++) {
    for (int j=0;j<5-i-1;j++)</pre>
if (a[j]> a[j+1])
                           int temp=a[j];
a[j]=a[j + 1];
a[j + 1]=temp;
            cout <<"sorted element list: ";
for (int i=0;i<5;i++)</pre>
            {
    cout << a[i] << " ";
}cout << " ";</pre>
40
41
42
}
            return 0;
```

Output

C:\Users\muabdullah.ug23smme\Documents\Lab Manual 8 Task 2.exe

Task-03

"Selection Sort"

Input
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Output

■ C:\Users\muabdullah.ug23smme\Documents\Lab Manual 8 Task 3.exe