

Lab Manual #07

“Lab Tasks”



Course: **Fundamentals of Programming (CS 114)**

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Section	C

Task 1

Input:

```
vscode > C:\Lab task 7 (1).cpp
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      int Array[10];
7      for(int i=0;i<10;++i)
8      {
9          cout<<"Enter an integer: ";
10         cin>>Array[i];
11     }
12     cout<<"The array is: ";
13     for(int i=0;i<10;++i)
14     {
15         cout<<Array[i]<<" ";
16     }
17
18     return 0;
19 }
20
```

Output:

```
Enter an integer: 6
Enter an integer: 5
Enter an integer: 7
Enter an integer: 10
Enter an integer: 15
Enter an integer: 18
Enter an integer: 19
Enter an integer: 7
Enter an integer: 6
Enter an integer: 45
The array of integers is: 6 5 7 10 15 18 19 7 6 45
PS C:\Users\muham\Documents\Fundamentals of Programming\FOP-Lab-Abdullah>
```

Task 2

Input:

```
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      int num[5];
7
8      for (int i=0;i<= 4;i++)
9      {
10         cout <<"Enter here: ";
11         cin >>num[i];
12     }
13
14     int product = 1;
15     int sum = 0;
16
17     for (int i=0;i<=4;i++)
18     {
19         sum += num[i];
20         product *= num[i];
21     }
22
23     cout <<"Product of the numbers is "<< product << endl;
24     cout <<"Sum of the numbers is "<< sum;
25
26     return 0;
27 }
28
29
```

Output:

```
✓ TERMINAL
PS C:\Users\muham\Downloads\Lab> cd "c:\Users\muham\Downloads\Lab\" ; if ($?) {
Enter here: 4
Enter here: 5
Enter here: 2
Enter here: 1
Enter here: 4
Product of the numbers is 160
Sum of the numbers is 16
PS C:\Users\muham\Downloads\Lab> |
```

Task 3

Input:

Output: