



# CS-114 - Fundamental of Programing

## Lab Tasks - 7

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**LAB TASK 1:**

1. Take 10 integer inputs from user and store them in an array and print them on screen.

**Code:**

```
1  #include <iostream>
2  #include <cstring>
3
4  using namespace std;
5  int main()
6  {
7      // LAB TASK 1
8      int x [10];
9      cout<<"Please enter the ten integers"<<endl;
10     for(int i=0; i<10; i+=1){
11         cin>>x[i];}
12     for(int j=0; j<10; j+=1){
13         cout<<x[j]<<" ";}
14
15     return 0;
16 }
```

**Result:**

```
Please enter the ten integers
2
4
6
8
10
12
14
16
18
20
2 4 6 8 10 12 14 16 18 20
-----
Process exited after 7.703 seconds with return value 0
Press any key to continue . . .
```

**LAB TASK 2:**

2. Write a program to find the sum and product of all elements of an array with 5 integer elements.

**Code:**

```
1  #include <iostream>
2  #include <cstring>
3
4  using namespace std;
5  int main()
6  {
7      // LAB TASK 2
8      int a [5] = {};
9      int sum;
10     int p = 1;
11     cout<<"Please enter the 5 integers"<<endl;
12     for(int i=0; i<5; i++){
13         cin>>a[i];
14     }
15     for(int i=0; i<5; i++){
16         sum = sum+a[i];
17     }
18     for(int j=0; j<5; j++){
19         p = p*a[j];
20     }
21     cout<<"the sum is "<<sum<<" and the product is "<<p<<endl;
22     return 0;
23 }
```

**Result:**

```
Please enter the 5 integers
1
4
2
6
3
the sum is 16 and the product is 144

-----
Process exited after 2.772 seconds with return value 0
Press any key to continue . . .
```

