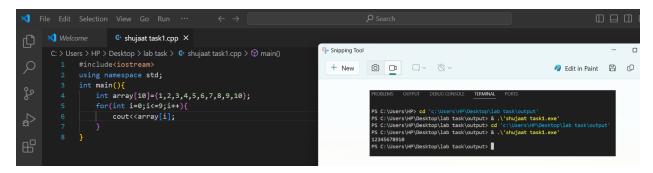
Name	Shujaat hussain
Sap	55405
section	SE_3-2

## Task 1:



Task 2:

Task 3:

Task 4:

Task 5:

```
G' shujaat task1.cpp G' shujaat task2.cpp G' shujaat task4.cpp

C: > Users > HP > Desktop > lab task > G' shujaat task5.cpp > G' main()

1 #include<iostream>
2 using namespace std;

3

4 int main() {
5 int numbers[6];
6 cout << "Enter 6 integer values: ";
7 for (int i = 0; i < 6; i+++) {
6 cin >> numbers[i];
9 }
10 bool isPalindrome = true;
11 for (int i = 0; i < 3; i++) {
12 if (numbers[i] != numbers[5 - i]) {
13 isPalindrome = false;
14 break;
15 }
16 }
17 if (isPalindrome) {
18 cout << "This is not palindrome" <<endl;
19 } else {
20 cout << "This is not palindrome" <<endl;
21 }
22 return 0;
23 }
```

## Task 6:

```
C shujaat ta: Snipping Tool
                                                                                                                                                                                                           - 0
                                                                                                           + New 📵 📭 🔍 🖔 🗸
C: > Users > HP > Desktop > lab task > @ shujaat task6.cpp > @ main()
                                                                                                                                                                                       👰 Edit in Paint 🖺 🔘 .
  #include <i C_\Users\HP\Desktop • Contains emphasized items
using namespace std;
int factorial(int num) {</pre>
                                                                                                                                                            lab task\output> & .\'shujaat task6.exe
rray from 1 to 20:12
             int fact = 1;
for (int i = 1; i <= num; i++) {
    fact *= i;</pre>
         int main() {
             int size;
               cout<<"Enter the size of the array from 1 to 20:";</pre>
              cin>>size;
               for (int i = 0; i < size; i++) {
   cout<<"Enter element"<<i + 1<<"from 0 to 12:";
   cin >> array[i];
                                                                                                                                          double average = static_cast<double>(sum) / size;
              cout << "Average of all elements: " << average << endl;
for (int i = 0; i < size; i++) {
    cout << "Factorial of " << array[i] << " is " << factorial(array[i]) << endl;</pre>
```

## Task 7:

Task 8:

Task 9: