# Lab Manual # 06 Home Tasks



Course: Fundamentals of Programming (CS 114)

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Section	C

## Task 1

#### Input:

```
#include <iostream>
using namespace std;

int main() {
    int sum = 0;

    for (int num = 2; num <= 50; num++){
        bool isPrime = true;

        for (int divisor=2;divisor<num;divisor++) {
            if (num%divisor=0) {
                isPrime=false;
                break;
            }
        }
        if (isPrime) {
            sum += num;
        }
    }

    cout <<"The sum of prime numbers from 1 to 50 is: "<< sum <<end:
        return 0;
}</pre>
```

### **Output:**

```
TERMINAL

PS C:\Users\muham\Downloads\Lab> cd "c:\Users\muham\Downloads\Lab\.vscode\" ; if ($?) { g++ hometas1.cpp -o hometas ometas1 }

Cted PS C:\Users\muham\Downloads\Lab\.vscode>

PS C:\Users\muham\Downloads\Lab\.vscode>
```

# Task 2

#### Input:

```
#include <iostream>
     using namespace std;
     int main() {
         int rows;
         cout<<"Enter the number of rows: ";</pre>
         cin>> rows;
         for (int i=1;i <= rows;i++) {
             for (int j=1;j<=i;j++) {
                 cout<<j;
                  if (j<i) {
                      cout<< " ";
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             cout<< endl;</pre>
         return 0;
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```

### **Output:**

# Task 3

### Input:

#### **Output:**