



# Fundamentals of Programing

## Lab Manual #6

## Home-Tasks

**Course Instructor:** Dr Jawad Khan

**Lab Instructor:** Muhammad Affan

**Student Name:** Muhammad

Abdullah Qureshi

**CMS ID:** 456523

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**TASK 1:**

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

int main(){

    int num,i,count,sum=0;

    for(num = 1;num<=50;num++){

        count = 0;

        for(i=2;i<=num/2;i++){
            if(num%i==0){
                count++;
                break;
            }
        }

        if(count==0 && num!= 1)
            sum = sum + num;
    }

    cout << "Sum of prime numbers is: " << sum;

    return 0;
}
```

```
Sum of prime numbers is: 328
-----
Process exited after 0.04169 seconds with return value 0
Press any key to continue . . . |
```

**TASK 2:**

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

int main(){
int count, count1;
for(count=1; count<=5; count++){
    for(count1=1; count1<=count; count1++){
        cout<<count1<<" ";
    }
    cout<<endl;
}
}
```

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

-----
Process exited after 0.04202 seconds with return value 0
Press any key to continue . . . |
```

**TASK 3:**

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

int main(){
int count, count1;
    cout<<"1";
    for(count=0; count<7; count++){
        if(count%2==0){

            for(count1=1; count1<=count; count1++){

                cout<<count<<" ";

            }

            cout<<endl;

        }

    }
}
```

```
1
2 2
4 4 4 4
6 6 6 6 6 6

-----
Process exited after 0.03749 seconds with return value 0
Press any key to continue . . . |
```