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LAB MANUAL 6 (HOME TASK)

Q2

main.cpp | Run | Output

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

int main(){

    for(int i=1;i<=5; i++)
    {
        for (int j=1;j<=i;j++)
        {
        cout<<j<<" ";
        }
        cout<<endl;
    }
    return 0;


}
```

```
/tmp/d1HXZPI0mr.o
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

Q3

main.cpp | Run | Output

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

    int main() {
        cout<<1<<endl;
        for (int i=i;i<=6; i++)
        {
            for (int j=1;j<=i;j++)
            {
                if(i%2 ==0)
                {
                    cout<<i<<" ";
                }
            }
            cout<<endl;
        }
        return 0;
    }
```

```
/tmp/lccJWRbfCH.o
1


2 2

4 4 4 4

6 6 6 6 6 6
```

Q1

```cpp
#include<iostream>

using namespace std;

int main()
{
    int sum = 0;
    for(int num = 2; num <= 50; num++)
    {
        int i;
        for(i = 2; i < num; i++)
        {
            if(num % i == 0)
            {
                break;
            }
        }
        if(i==num)
        {
            sum =sum + num;
        }
    }
    cout << "The sum of prime numbers from 1 to
        50 is: " << sum << endl;
    return 0;
}

```

```
/tmp/RfMjojlj5z.o
The sum of prime numbers from 1 to 50 is: 328
```