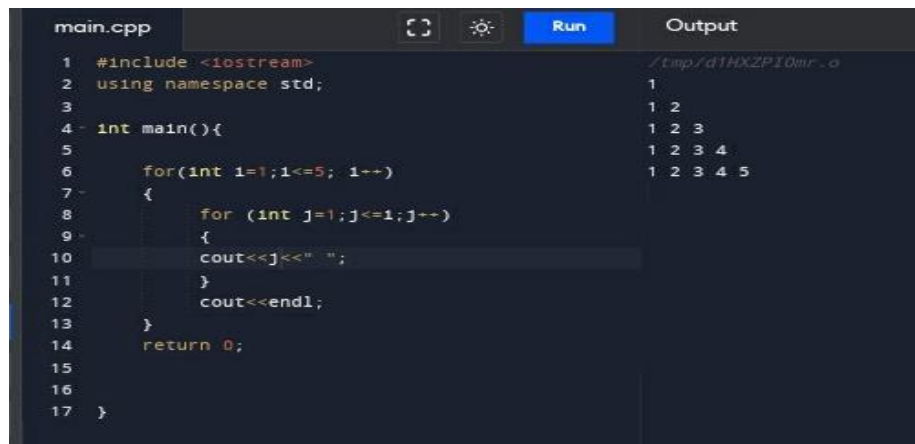


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LAB MANUAL 6 (HOME TASK)

Q2



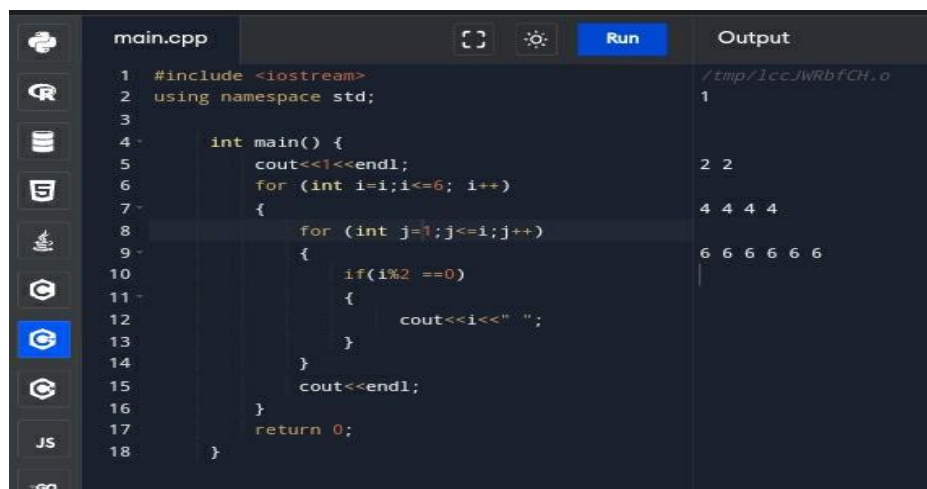
The screenshot shows a C++ IDE with a file named 'main.cpp'. The code is as follows:

```
1 #include <iostream>
2 using namespace std;
3
4 int main(){
5     for(int i=1;i<=5; i++)
6     {
7         for (int j=1;j<=i;j++)
8         {
9             cout<<j<<" ";
10            }
11            cout<<endl;
12        }
13    }
14    return 0;
15 }
16
17 }
```

The output window on the right shows the following result:

```
/tmp/d1HXZP10mr.o
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

Q3



The screenshot shows a C++ IDE with a file named 'main.cpp'. The code is as follows:

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     cout<<1<<endl;
6     for (int i=1;i<=6; i++)
7     {
8         for (int j=1;j<=i;j++)
9         {
10            if(i%2 ==0)
11            {
12                cout<<i<<" ";
13            }
14        }
15        cout<<endl;
16    }
17    return 0;
18 }
```

The output window on the right shows the following result:

```
/tmp/lccJWRbfCH.o
1
2 2
4 4 4 4
6 6 6 6 6 6
```

Q1

```
1 #include<iostream>
2
3 using namespace std;
4
5 int main()
6 {
7     int sum = 0;
8     for(int num = 2; num <= 50; num++)
9     {
10         int i;
11         for(i = 2; i < num; i++)
12         {
13             if(num % i == 0)
14             {
15                 break;
16             }
17         }
18         if(i==num)
19         {
20             sum =sum + num;
21         }
22     }
23     cout << "The sum of prime numbers from 1 to
24         50 is: " << sum << endl;
25     return 0;
26 }
```

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