FUNDAMENTAL OF PROGRAMMING

LAB REPORT 6 (Home task)

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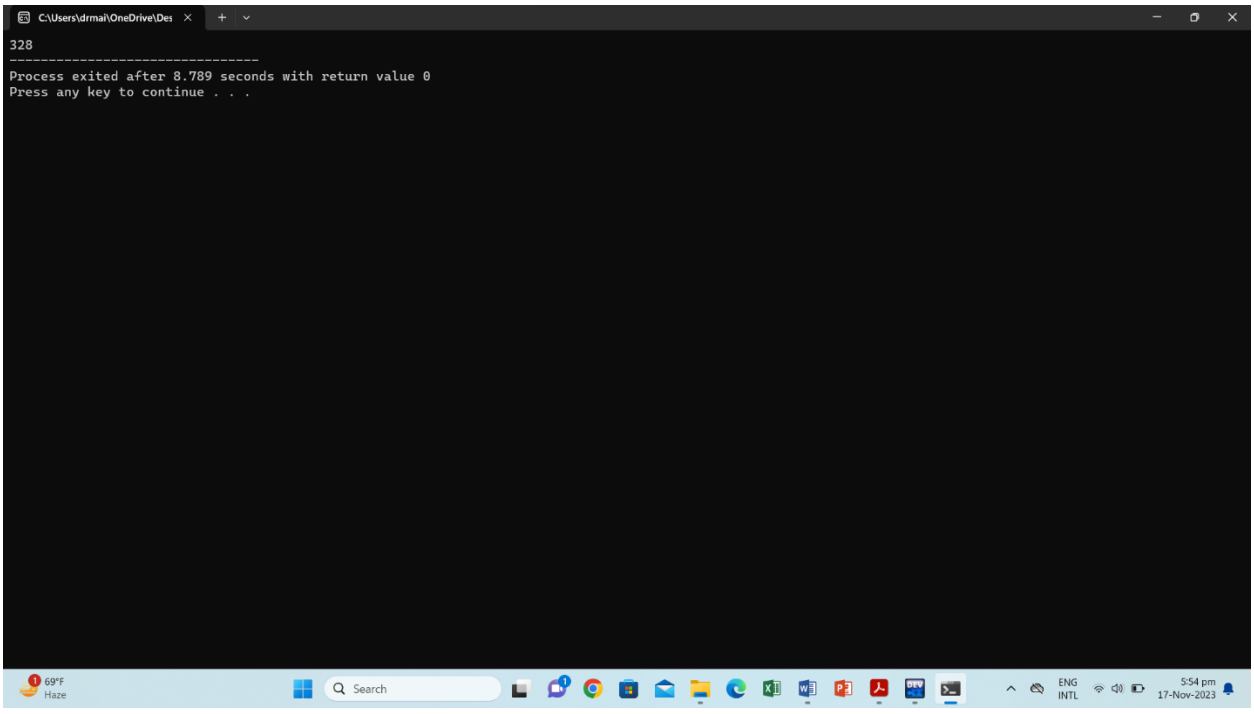
Write a program using break or continue statement that only adds prime numbers from 1 to 50 and display the sum on screen.

CODE:

```
#include<iostream>

using namespace std;

int main(){

        int sum=0,x,y;

        for(x=2;x<=50;x++){

                for(y=2;y<x;y++){

                        if(x%y==0)      break;}

                if(y==x)

                        sum=sum+y;}

        cout<<sum;}
```

OUTPUT:



Write a program in C++ to create the following pattern.

1

1 2

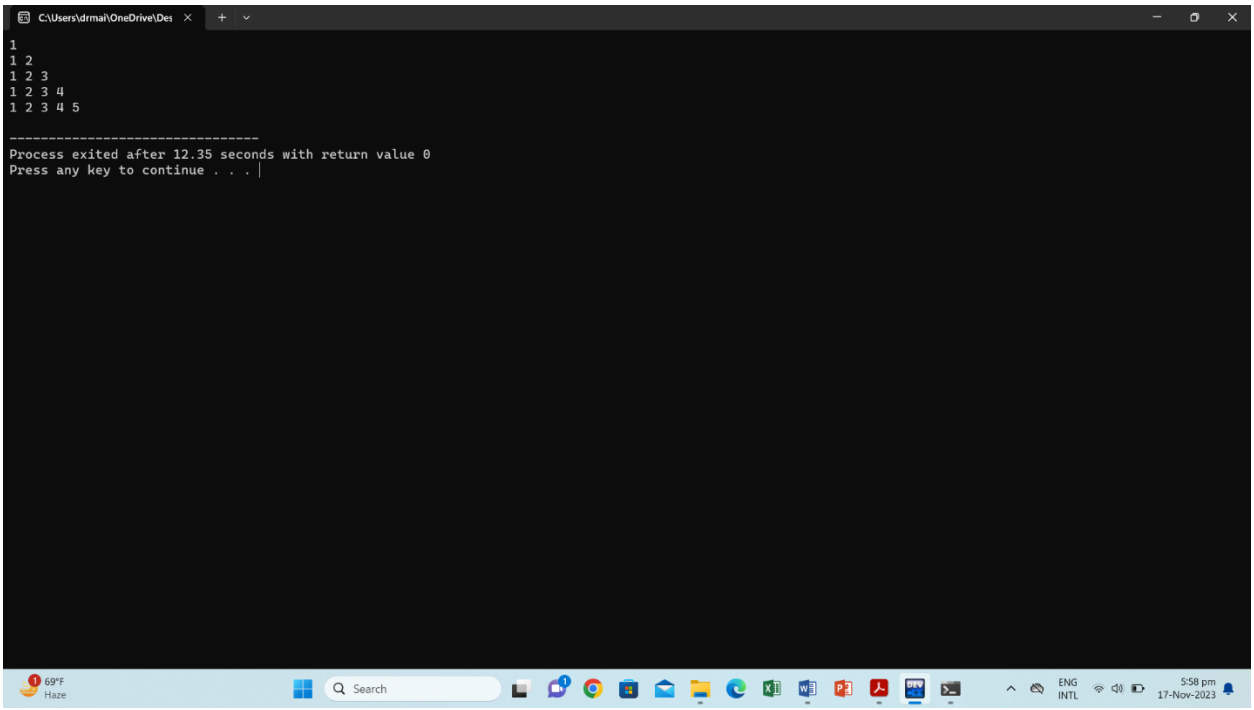
1 2 3

1 2 3 4

CODE:

```
#include<iostream>

using namespace std;

int main(){

   int x=5;

   for(int y=1;y<=x;y++){

      for(int z=1;z<=y;z++){

         cout<<z<<" "; }

      cout<<endl;}   }
```

OUTPUT:



Write a C++ program to print:

1

2 2

4 4 4 4

CODE:

```
#include <iostream>

using namespace std;

int main() {

   int r=5;

   int n=1;

for(int i=1;i<=r;i++){

      for(int j=0;j<(i*2)-j;j++){

         cout<<n<<" "; }

      n=n*2;

      cout<<endl; }    }
```

OUTPUT: