



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++){

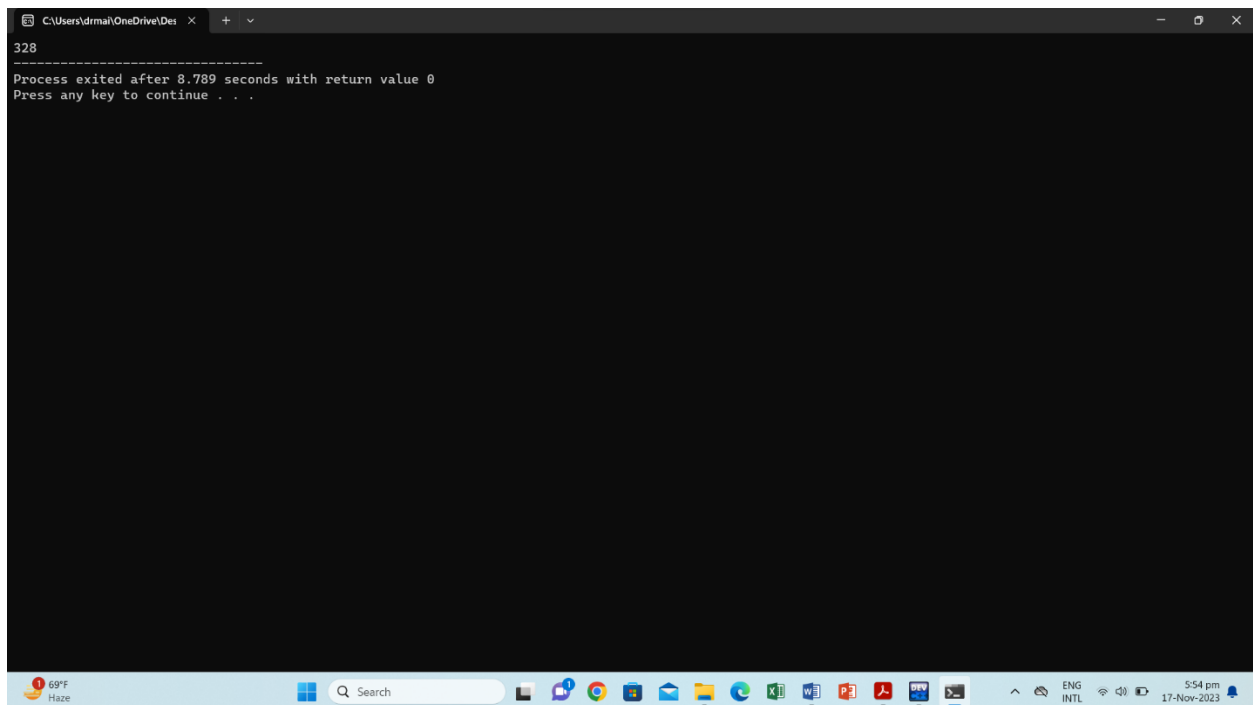
            if(x%y==0)    break;}

        if(y==x)

            sum=sum+y;}

    cout<<sum;}
```

OUTPUT:



```
C:\Users\drmai\OneDrive\Des x + v
328
-----
Process exited after 8.789 seconds with return value 0
Press any key to continue . . .
```

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;

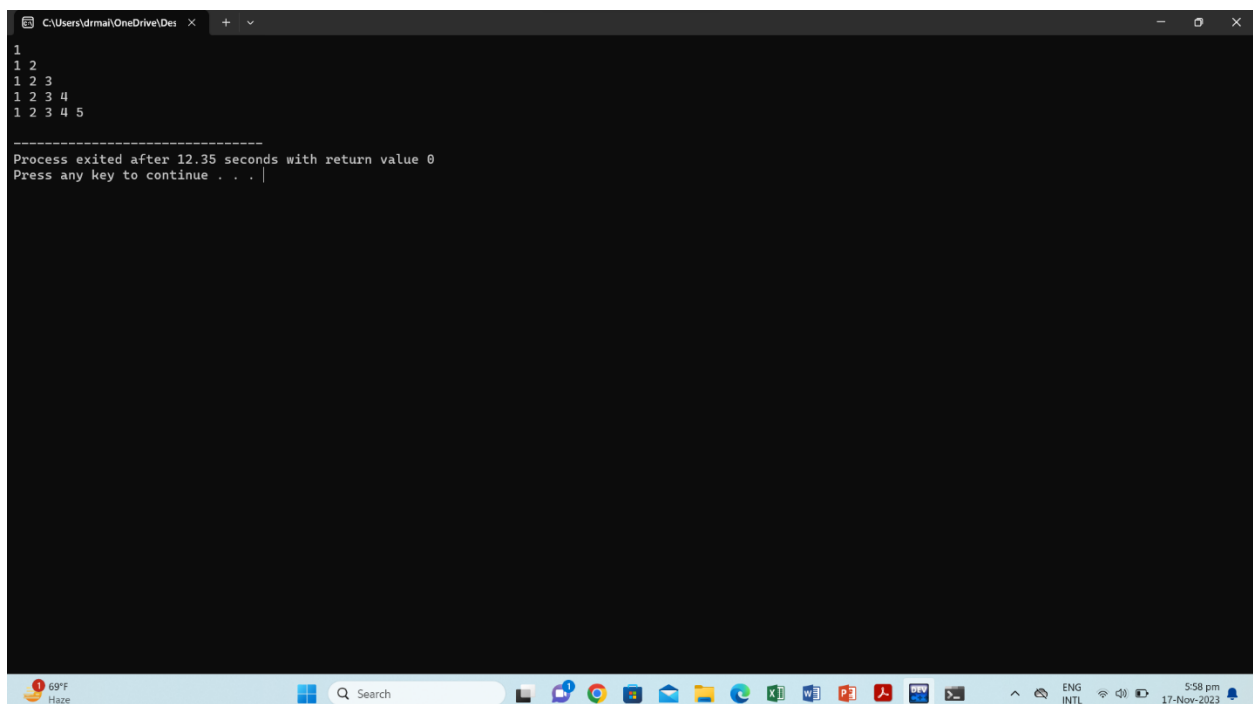
    for(int y=1;y<=x;y++){

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

            cout<<z<<" "; }

        cout<<endl;} }
```

OUTPUT:



```
C:\Users\drmai\OneDrive\Desktop > g++ 1.cpp && .\1.exe

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

-----
Process exited after 12.35 seconds with return value 0
Press any key to continue . . . |
```

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++){

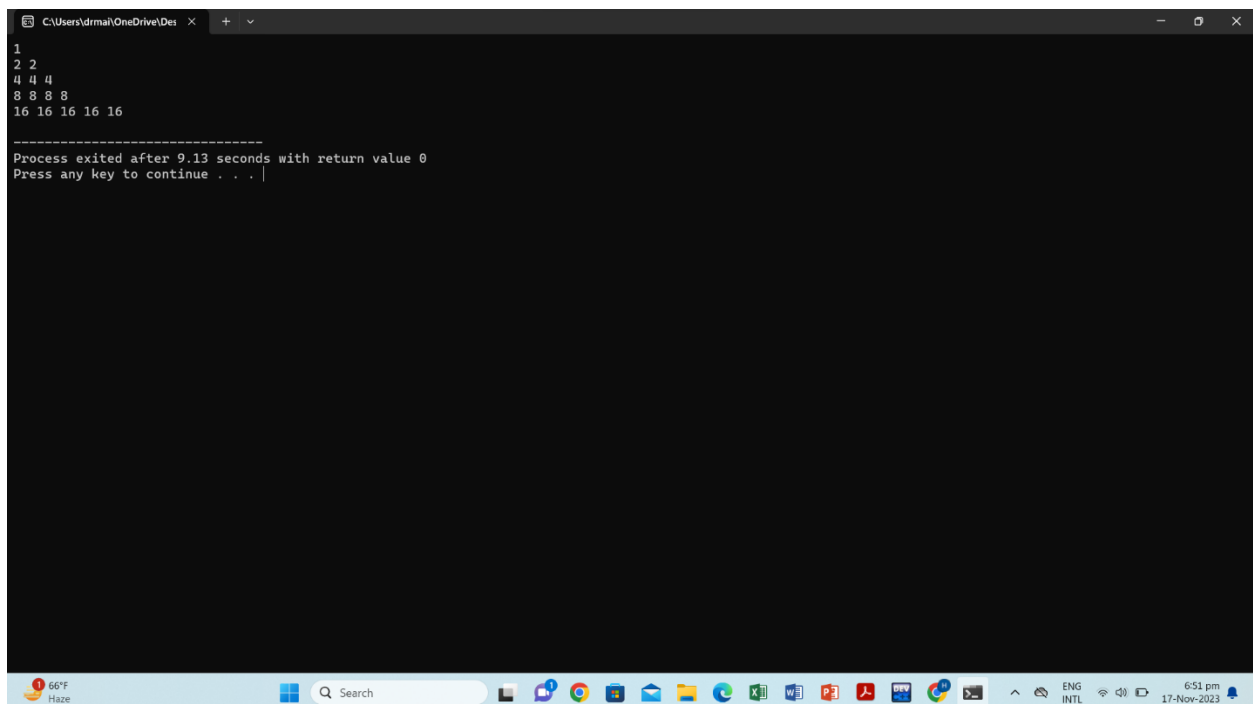
        for(int j=0;j<(i*2)-j;j++){

            cout<<n<<" ";

            n=n*2;

            cout<<endl; } }
```

OUTPUT:



```
C:\Users\drmai\OneDrive\Des x + v
1
2 2
4 4 4 4
8 8 8 8
16 16 16 16 16
-----
Process exited after 9.13 seconds with return value 0
Press any key to continue . . .
```

