FUNDAMENTAL OF PROGRAMMING

LAB REPORT 6 (Lab task)

HAIDER NAWAZ

480239

Generate the Fibonacci sequence using nested loops

CODE:

```cpp
#include<iostream>
using namespace std;
int main(){
    int ft=0,st=1;
    cout<<"Fibonacci sequence is: ";
    for(int a=0;a<5;a++){
        for(int b=1;b<a;b++){
            int nt=ft+st;
            ft=st;
            st=nt;
            cout<<ft<<" ";} }  }
```
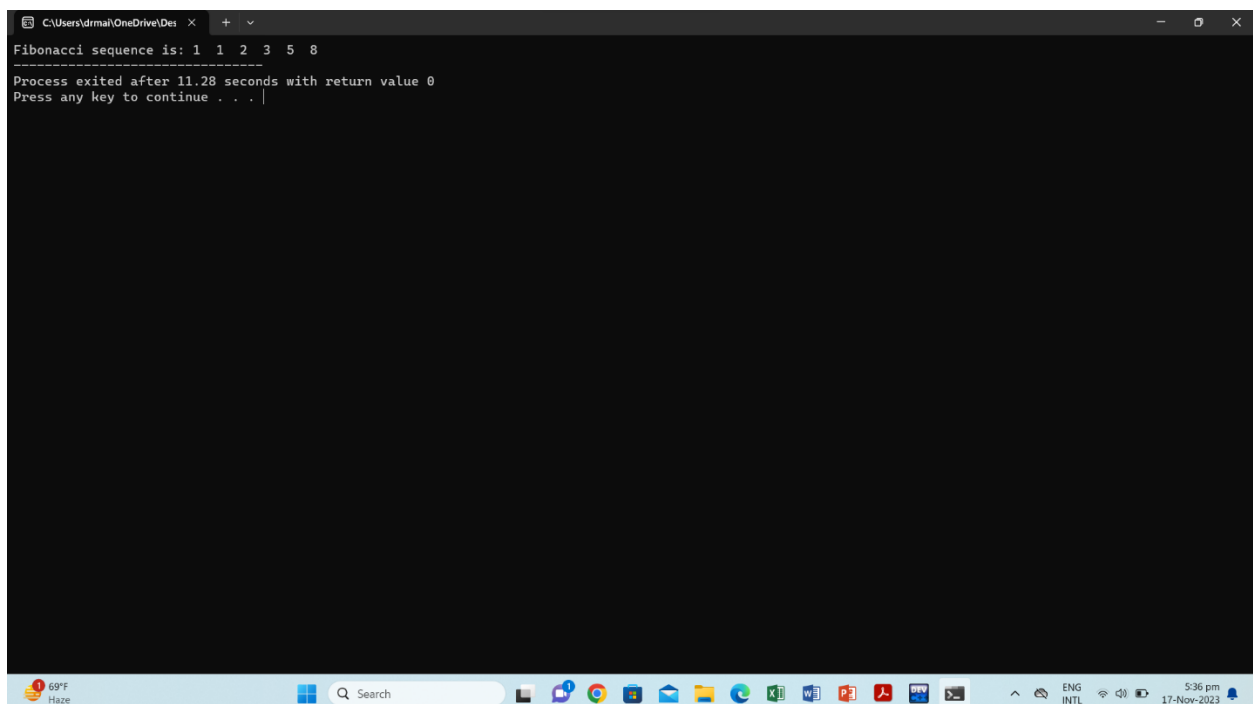
OUTPUT:

Create Floyd's triangle with nested loops.

CODE:

```cpp
#include<iostream>
using namespace std;
int main(){
        int w,x,y,z=1;
        cout<<"Enter the no of rows:  ";
        cin>>y;
        for(w=1;w<=y;w++){
                for(x=1;x<=y;x++){
                        if(x<=w)
                         {cout<<z<<" ";
                        z++;}
                        else{
                         cout<<" ";}  }
                cout<<endl;
        }
}
```
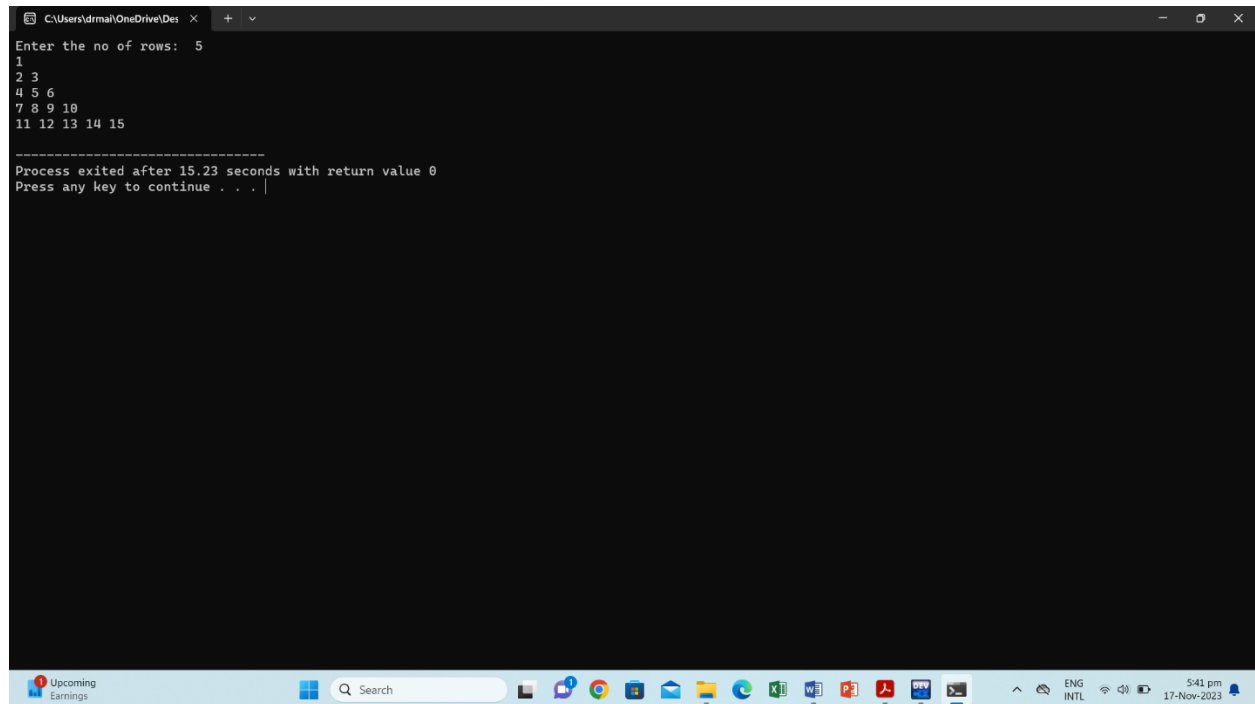
OUTPUT:

```
Enter the no of rows:  5
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15

------------------------------------
Process exited after 15.23 seconds with return value 0
Press any key to continue . . .
```