

Fundamentals of Programming

Lab Task: 6

Name: Malik Haseeb

Section: B

Roll no: 468333

Submitted to : Sir M. Affan

Task:1

Code:

```
#include <iostream>
using namespace std;
int main(){
    int res = 0, x = 0, y = 1 ,terms;
    cout<<"Enter number of terms in the sequence: ";
    cin>>terms;
    res = x + y;
    cout<<x<<" , "<<y<<" , "<<res<<" , ";

    for (int i = 0; i<terms-3; i++) {
        x = y;
        y = res;
        res = x + y;
        for (int j = 0; j<1; j++) {
            cout<<res<<" , ";
        }
        return 0;
    }
```

Output:

```
Enter number of terms in the sequence: 12
0, 1, 1, 2 , 3 , 5 , 8 , 13 , 21 , 34 , 55 , 89
```

Task: 2

Code:

```
#include <iostream>
using namespace std;
int main()
{
    int rows, x = 0;
```

```
cout<<"Enter the number of rows: ";
cin>>rows;

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

Output:

```
Enter the number of rows: 8
0
1 2
3 4 5
6 7 8 9
10 11 12 13 14
15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31 32 33 34 35
```