

Fop Lab Task 6

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Section: B

TASK 1

```
#include <iostream>

using namespace std;

int main()
{
    int sum = 0, length;
    int num1 = 0, num2 = 1;

    cout<<"Enter length of the sequence: ";
    cin>>length;
    sum = num1 + num2;
    cout<<num1<<"<<num2<<"<<sum<<"<<";

    for (int i = 0; i<length-3; i++) {
        num1 = num2;
        num2 = sum;
        sum = num1 + num2;
        for (int j = 0; j<1; j++) {
            cout<<sum<<"<<";
        }
    }
}
```

Output

```
Enter length of the sequence: 8
0, 1, 1, 2, 3, 5, 8, 13,
Process returned 0 (0x0)   execution time : 10.328 s
Press any key to continue.
```

TASK 2

```
#include <iostream>

using namespace std;

int main()
{
    int rows, num = 0;

    cout<<"Enter the number of rows: ";

    cin>>rows;

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

}Output

```
Enter the number of rows: 6
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21

Process returned 0 (0x0)   execution time : 3.413 s
Press any key to continue.
```