Lab manual 6

Submitted to: M. Affan

Name: Muhammad Bin Ahmad

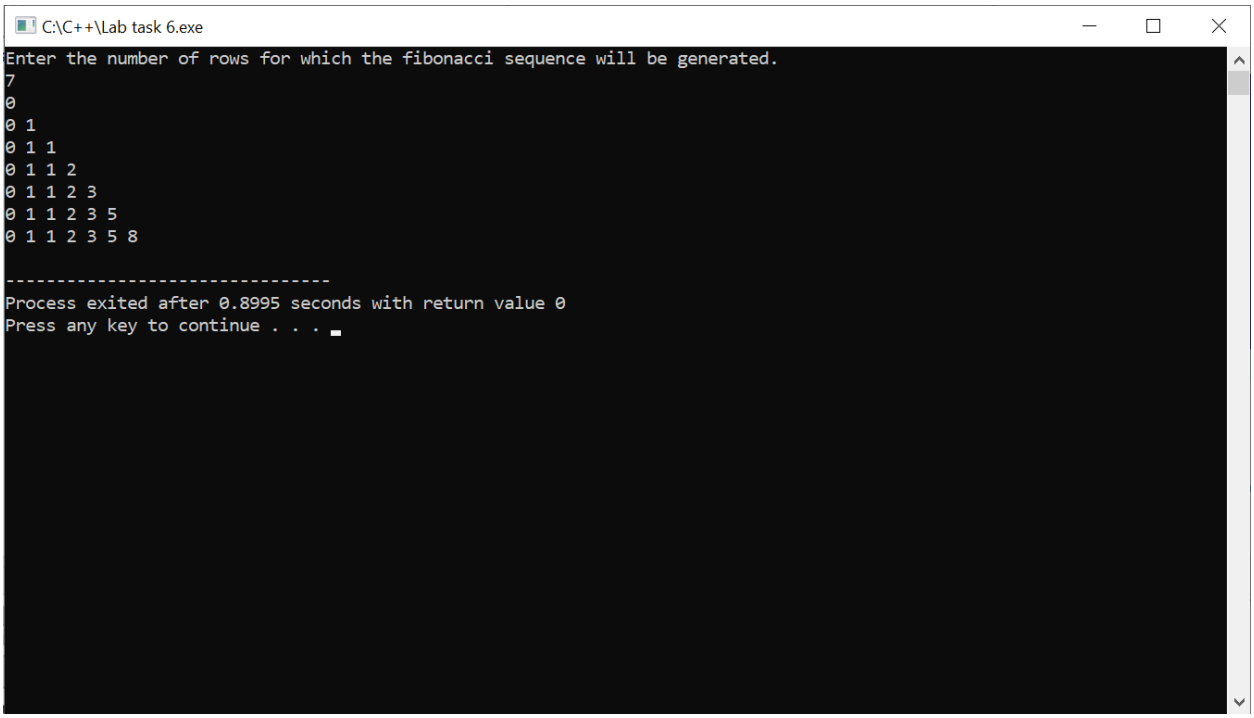
ME-15(A)

Roll No: 480779

- Task 1: Generate the Fibonacci sequence using nested loops.

```
int n=0, m=1, sum=0;
int rows;
cout<<"Enter the number of rows for which the fibonacci sequence will be generated."<<endl;
cin>>rows;
for (int i=1; i<=rows; i++){
        n=0, m=1, sum=0;
        for(int j=0;j<i; j++){
                cout<<n<<" ";
                sum=n+m;
                n=m;
                m=sum;

        }
        cout<<endl;
}
```



- Task 2: Create Pascal's triangle with nested loops.

```
int rows, n=1;
cout<<"Enter the number of rows for the floyd triangle to be displayed."<<endl;
cin>>rows;
for(int i=1;i<=rows;i++){
        for(int j=1;j<=i;j++){
                cout<<n<<" ";
                n++;
        }
        cout<<endl;
}
```