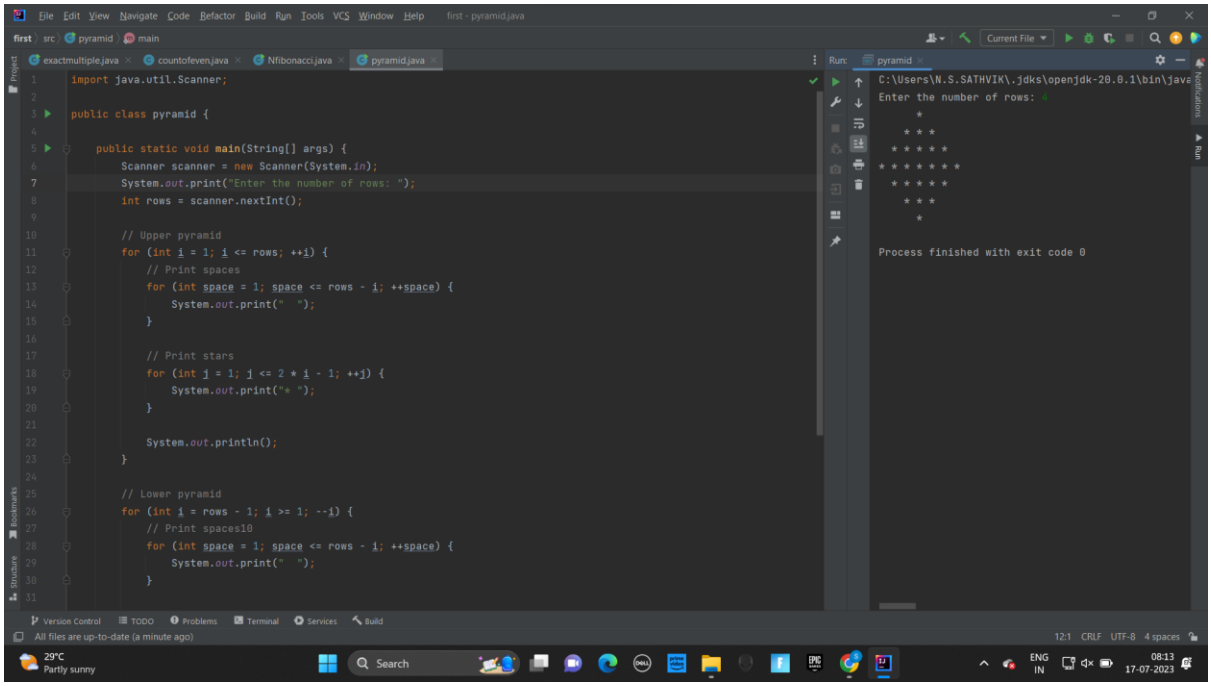
DAY 5 Programs

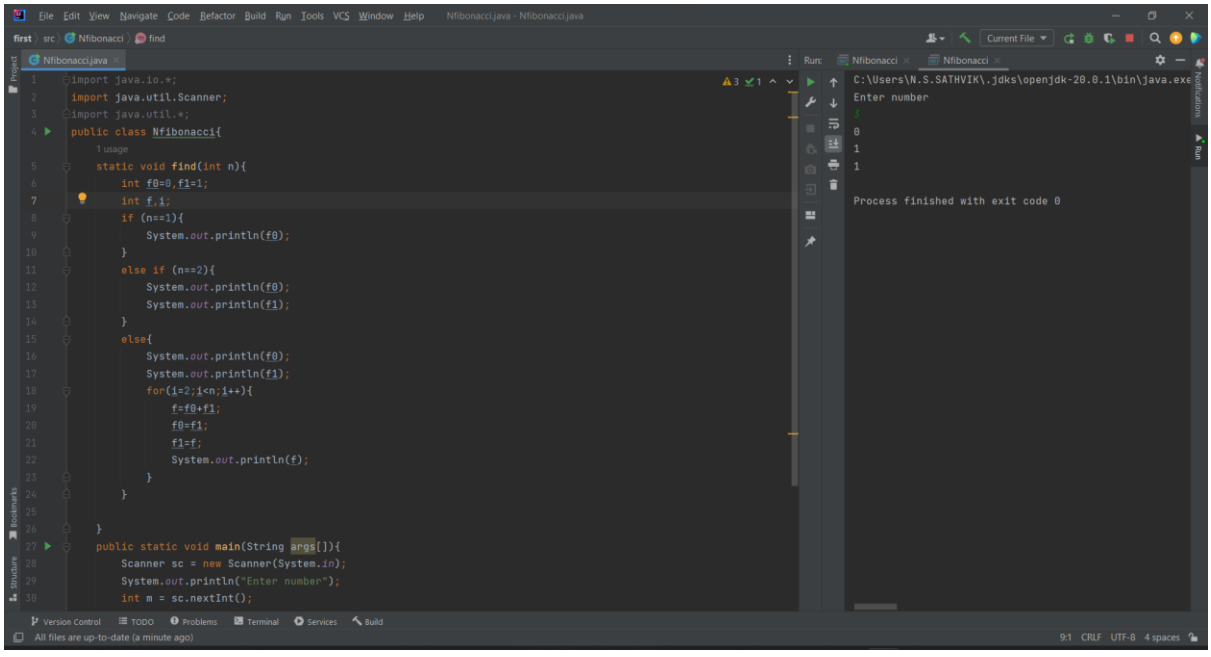
1.PYRAMID



```
import java.util.Scanner;

public class pyramid {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter the number of rows: ");
        int rows = scanner.nextInt();

        // Upper pyramid
        for (int i = 1; i <= rows; ++i) {
            // Print spaces
            for (int space = 1; space <= rows - i; ++space) {
                System.out.print("  ");
            }

            // Print stars
            for (int j = 1; j <= 2 * i - 1; ++j) {
                System.out.print("* ");
            }

            System.out.println();
        }

        // Lower pyramid
        for (int i = rows - 1; i >= 1; --i) {
            // Print spaces10
            for (int space = 1; space <= rows - i; ++space) {
                System.out.print("  ");
            }
```

```
C:\Users\N.S.SATHVIK\.jdks\openjdk-20.0.1\bin\java
Enter the number of rows: 6
      *
    * * *
  * * * * *
* * * * * * *
  * * * * *
    * * *
      *

Process finished with exit code 0
```

2.Nth Fibonacci



```
import java.io.*;
import java.util.Scanner;
import java.util.*;
public class Nfibonacci{
    1 usage
    static void find(int n){
        int f0=0,f1=1;
        int f,i;
        if (n==1){
            System.out.println(f0);
        }
        else if (n==2){
            System.out.println(f0);
            System.out.println(f1);
        }
        else{
            System.out.println(f0);
            System.out.println(f1);
            for(i=2;i<n;i++){
                f=f0+f1;
                f0=f1;
                f1=f;
                System.out.println(f);
            }
        }

    }
    public static void main(String args[]){
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter number");
        int m = sc.nextInt();
```

```
C:\Users\N.S.SATHVIK\.jdks\openjdk-20.0.1\bin\java.exe
Enter number
3
0
1
1

Process finished with exit code 0
```