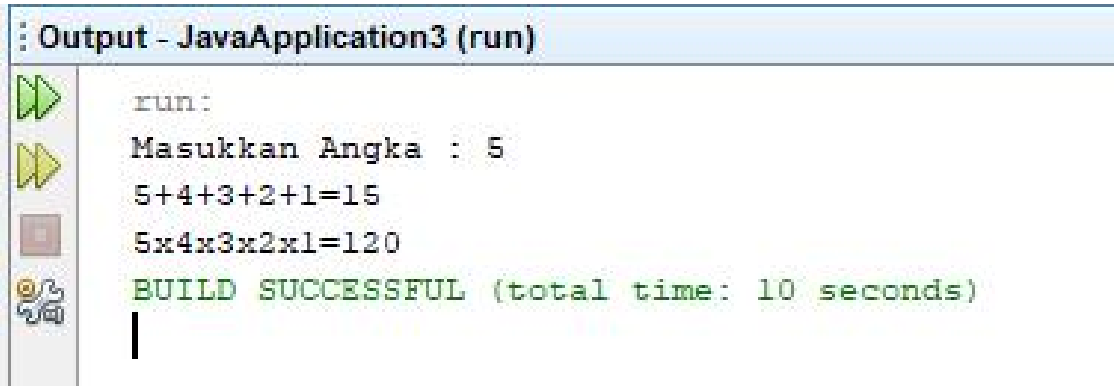
TUGAS 7.1

CODING

```
package javaapplication3;
import java.util.Scanner;
public class JavaApplication3 {
    // Penjumlahan
    static int Penjumlahan(int n){
        if(n==1 || n==0){
            return 1;
        }
        else{
            return Penjumlahan(n-1)+n;
        }
    }
    // Perkalian
    static int Perkalian(int n){
        if(n==1 || n==0){
            return 1;
        }
        else{
            return Perkalian(n-1)*n;
        }
    }
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        int angka,penjumlahan,perkalian;
        System.out.print("Masukkan Angka : ");
        angka = input.nextInt();
        for(int i=angka-1; i>=0; i--){
            System.out.print(i+1);
            if(i<=angka && i>0){
                System.out.print("+");
            }
            if(i<=0){
                penjumlahan = Penjumlahan(angka);
                System.out.println("="+penjumlahan);
            }
        }
        for(int i=angka-1; i>=0; i--){
            System.out.print(i+1);
            if(i<=angka && i>0){
                System.out.print("x");
            }
            if(i<=0){
                perkalian = Perkalian(angka);
                System.out.println("="+perkalian);
            }
        }
    }
}
```

OUTPUT

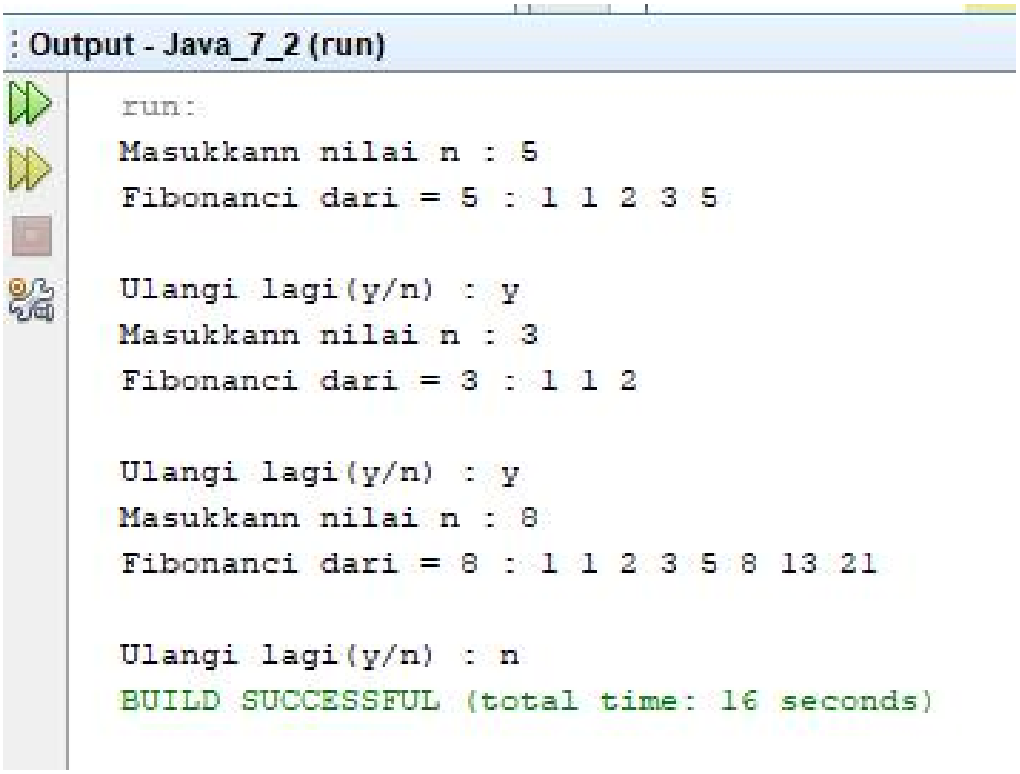


TUGAS 7.2

CODING

```
package java_7_2;
import java.util.Scanner;
public class Java_7_2 {
    static int Fibonanci(int n){
        if(n==1 || n==0){
            return 1;
        }
        else{
            return Fibonanci(n-1)+Fibonanci(n-2);
        }
    }
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        String kondisi="";
        int n,hasil;
        do{
            System.out.print("Masukkann nilai n : ");
            n = input.nextInt();
            System.out.print("Fibonanci dari = "+n+" : ");
            for(int i=0; i<n; i++){
                hasil = Fibonanci(i);
                System.out.print(hasil+" ");
            }
            System.out.println();
            System.out.println();
            System.out.print("Ulangi lagi(y/n) : ");
            kondisi = input.next();
        }while(kondisi.equalsIgnoreCase("y"));
    }
}
```

OUTPUT


Output - Java_7_2 (run)
run:
Masukkann nilai n : 5
Fibonanci dari = 5 : 1 1 2 3 5
Ulangi lagi(y/n) : y
Masukkann nilai n : 3
Fibonanci dari = 3 : 1 1 2
Ulangi lagi(y/n) : y
Masukkann nilai n : 8
Fibonanci dari = 8 : 1 1 2 3 5 8 13 21
Ulangi lagi(y/n) : n
BUILD SUCCESSFUL (total time: 16 seconds)