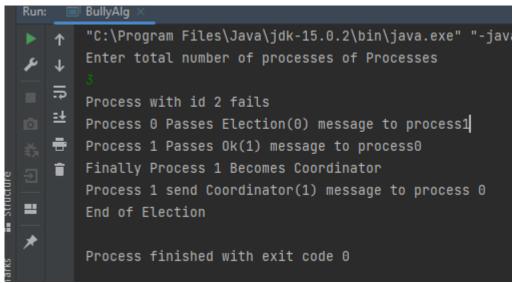
## Tema 4



Am un numar de procese si am dat un status fiecarui process, iar pocesul care initial este lider este terminat. Apoi se apeleaza algoritmul bully pentru a alege un lider nou.

```
package org.example;
import java.util.Scanner;

// create process class for creating a process having id and status class Process {
    public int id;
    public String status;

    public Process(int id) {
        this.id = id;
        this.status = "active";
    }
}

public class BullyAlg {

    Scanner sc;
    Process[] processes;
    int n;

public BullyAlg() {
        sc= new Scanner(System.in);
    }

    // method for initializing the processes
    public void initialize() {

        // get input from the user for processes
        System.out.println("Enter total number of processes of Processes");
        n = sc.nextInt();
```

```
Thread. sleep (1000);
processes[getMaxValue()].status = "Inactive";
int idOfInitiator = 0;
            higherProcesses = true;
        idOfInitiator++;
```

```
int coord = processes[getMaxValue()].id;
public int getMaxValue() {
   BullyAlg bully = new BullyAlg();
   bully.initialize();
```