**Code**

Bully.java

import java.io.\*;

import java.util.Scanner;

class Bully{

static int n;

static int pro[] = new int[100];

static int sta[] = new int[100];

static int co;

public static void main(String args[])throws IOException

{

System.out.println("Enter the number of process");

Scanner in = new Scanner(System.in);

n = in.nextInt();

int i,j,k,l,m;

for(i=0;i<n;i++)

{

System.out.println("For process "+(i+1)+":");

System.out.println("Status:");

sta[i]=in.nextInt();

System.out.println("Priority");

pro[i] = in.nextInt();

}

System.out.println("Which process will initiate election?");

int ele = in.nextInt();

elect(ele);

System.out.println("Final coordinator is "+co);

}

static void elect(int ele)

{

ele = ele-1;

co = ele+1;

for(int i=0;i<n;i++)

{

if(pro[ele]<pro[i])

{

System.out.println("Election message is sent from "+(ele+1)+" to "+(i+1));

if(sta[i]==1)

elect(i+1);

}

}

}

}

**Output**

