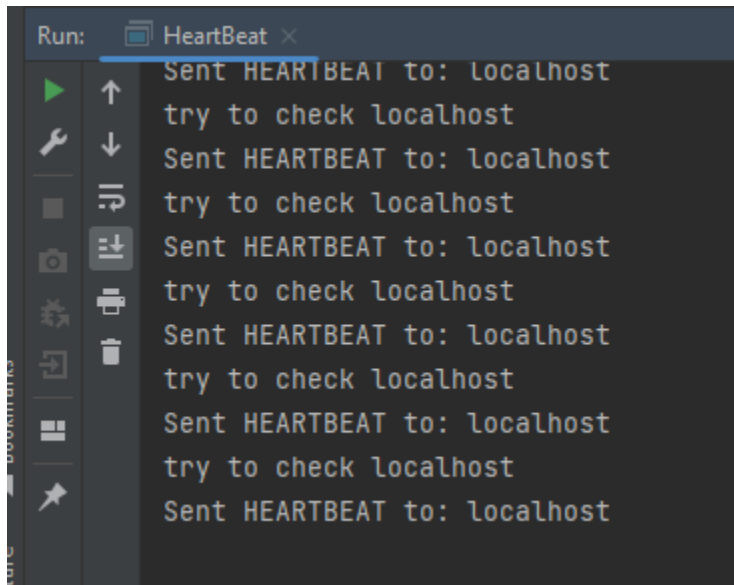


Tema 3



Am reusit sa trimit la interval de 1 secunda un heartbeat.

Am un process care incearca sa se conecteze la un server, si odata conectat trimite un heartbeat.

```
package org.example;

import java.io.DataInputStream;
import java.io.DataOutputStream;
import java.io.IOException;
import java.net.ServerSocket;
import java.net.Socket;
import java.net.UnknownHostException;
import java.util.HashMap;

public class HeartBeat implements Runnable{

    // identificare proces in functie de adresa IP
    static int self_id = 0; // urmeaza identificarea
    static int server_Port = 3005;
    String operation; // tip fir RECEIVER, HEARTBEAT
    static HashMap<Integer, String> processes = new HashMap<Integer,
String>();
    static boolean received = false;
    static String my_ip;

    public HeartBeat(String operation) {
        this.operation = operation;
    }

    /* The main() method starts two threads, RECEIVER and HEARTBEAT */
    public static void main(String args[]) throws UnknownHostException,
```



```
destination_server);

        Socket socket = new Socket(destination_server,
server_Port);

        DataOutputStream out = new
DataOutputStream(socket.getOutputStream());

        out.writeUTF("heartbeat");
        out.writeUTF(self_id + "");

        System.out.println("Sent HEARTBEAT to: " +
destination_server);
    } catch (Exception e) {
        System.out.println("\n***\tpeer has
FAILED!\t***");
    }
}
}
}
}
}
```