```java
1    package com.distributed;
2     import java.io.*;
3     import java.util.*;
4
5    public class TestSequencer {
6        public static void main(String args[]) {
7            Group newgrp=null;
8            Scanner sc = new Scanner(System.in);
9            System.out.println("please enter your name");
10           String name = sc.nextLine();
11           while (true)
12           {
13               System.out.println("please enter your option ");
14               System.out.println("1.Multicast messsage");
15               System.out.println("2.Stress Test");
16               System.out.println("3.History");
17               System.out.println("4.Leave multicast group");
18               String option = sc.nextLine();
19
20               TestSequencer objj = new TestSequencer();
21               TestSequencer.MsgHandlers handles= objj.new MsgHandlers();
22               switch (option)
23               {
24                   case "1":
25                   System.out.println("please input data to multicast");
26                   String message = sc.nextLine();
27                   byte[] msgsnd = message.getBytes();
28                   try {
29                       newgrp = new Group("localhost",handles, name);
30                       newgrp.send(msgsnd);
31                       Thread thread = new Thread(newgrp);
32                       thread.start();
33
34                   } catch (Group.GroupException ex) {
35                       ex.printStackTrace();
36                   }
37                   break;
38
39                   case "2" :
40                   System.out.println("******Stress testing has been chosen******");
41
42                   break;
43                   case "3" :
44                       System.out.println("************history**********");
45                       newgrp.viewhistory();
46
47                       break;
48                   case "4" :
49                       System.out.println("you have chosen to leave");
50                       newgrp.leave();
51                       break;
52
53                   default : //Optional
54                        System.out.println("Invalid option chosen...");
55               }
56           }
57       }
58       public class MsgHandlers implements Group.MsgHandler{
59           MsgHandlers(){
60           }
61           @Override
62           public void handle(int count, byte[] msg) {
```

```java
            String messagein = new String(msg, 0, msg.length);
            System.out.println("This messagge was sent: " + messagein);
        }
    }

}
```