

```
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 message");
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) {
63         String messagein = new String(msg, 0, msg.length);
64         System.out.println("This message was sent: " + messagein);
65     }
66 }
67
68 }
69
```