
tick1 submission from David Brazdil

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Submission contents	uk/ac/cam/db538/fjava/tick1/StringReceive.java uk/ac/cam/db538/fjava/tick1/StringChat.java uk/ac/cam/db538/fjava/tick1/HelloWorld.java
Ticker	Not yet assigned
Ticker signature	

StringReceive.java

```
0  package uk.ac.cam.db538.fjava.tick1;
1
2  import java.io.BufferedReader;
3  import java.io.IOException;
4  import java.io.InputStreamReader;
5  import java.net.Socket;
6  import java.net.UnknownHostException;
7
8  public class StringReceive {
9
10     public static void main(String[] args) {
11         if (args.length != 2) {
12             System.err.println("This application requires two arguments: <machine> <port>");
13             return;
14         }
15
16         String machine = args[0];
17         int port = 0;
18         try {
19             port = Integer.parseInt(args[1]);
20         } catch (NumberFormatException ex) {
21             System.err.println("This application requires two arguments: <machine> <port>");
22             return;
23         }
24
25         try {
26             Socket socket = new Socket(machine, port);
27             BufferedReader reader;
28             reader = new BufferedReader(new InputStreamReader(socket.getInputStream()));
29             while(true) {
30                 System.out.println(reader.readLine());
31             }
32         } catch (NumberFormatException e) {
33             System.err.println("Cannot connect to " + machine + " on port " + port);
34         } catch (UnknownHostException e) {
35             System.err.println("Cannot connect to " + machine + " on port " + port);
36         } catch (IOException e) {
37             System.err.println("Cannot connect to " + machine + " on port " + port);
38         }
39     }
40 }
```

StringChat.java

```
0  package uk.ac.cam.db538.fjava.tick1;
1
2  import java.io.BufferedReader;
3  import java.io.IOException;
4  import java.io.InputStreamReader;
5  import java.io.PrintWriter;
6  import java.net.Socket;
7  import java.net.UnknownHostException;
8
9  public class StringChat {
10 public static void main(String[] args) {
11     String server = null;
12     int port = 0;
13
14     if (args.length != 2) {
15         System.err.println("This application requires two arguments: <machine> <port>");
16         return;
17     }
18
19     server = args[0];
20     try {
21         port = Integer.parseInt(args[1]);
22     } catch (NumberFormatException ex) {
23         System.err.println("This application requires two arguments: <machine> <port>");
24         return;
25     }
26
27     /*
28      * Socket is declared final because it is referenced inside
29      * of the Thread class
30      */
31     try {
32         final Socket s = new Socket(server, port);
33         Thread output = new Thread() {
34             @Override
35             public void run() {
36                 try {
37                     BufferedReader reader = new BufferedReader(new InputStreamReader(s.getInputStream()));
38                     while (true)
39                         System.out.println(reader.readLine());
40                 } catch (IOException e) {
41                 }
42             }
43         };
44         output.setDaemon(true);
45         output.start();
46         PrintWriter w = new PrintWriter(s.getOutputStream(), true);
47         BufferedReader r = new BufferedReader(new InputStreamReader(System.in));
48         while (true)
49             w.println(r.readLine());
50     } catch (NumberFormatException e) {
51         System.err.println("Cannot connect to " + server + " on port " + port);
52     } catch (UnknownHostException e) {
53         System.err.println("Cannot connect to " + server + " on port " + port);
54     } catch (IOException e) {
55         System.err.println("Cannot connect to " + server + " on port " + port);
56     }
57 }
58 }
```

HelloWorld.java

```
0  package uk.ac.cam.db538.fjava.tick1;
1
2  public class HelloWorld {
3
4  public static void main(String[] args) {
5      String name = (args.length == 1) ? args[0] : "world";
6      System.out.println("Hello, " + name);
7  }
8  }
```