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1 package com.pgx.java.socket;
2 import java.io.IOException;
3 import java.net.DatagramPacket;
4 import java.net.DatagramSocket;
5 import java.net.InetAddress;
6 import java.net.SocketException;
7 public class UDPServer {
8     private DatagramSocket udpSocket;
9     private int port;
10
11     public UDPServer(int port) throws SocketException, IOException {
12         this.port = port;
13         this.udpSocket = new DatagramSocket(this.port);
14     }
15     private void listen() throws Exception {
16         System.out.println("-- Running Server at " + InetAddress.getLocalHost() + "--");
17         String msg;
18
19         while (true) {
20
21             byte[] buf = new byte[256];
22             DatagramPacket packet = new DatagramPacket(buf, buf.length);
23
24             // blocks until a packet is received
25             udpSocket.receive(packet);
26             msg = new String(packet.getData()).trim();
27
28             System.out.println(
29                 "Message from " + packet.getAddress().getHostAddress() + " : " + msg);

```



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28         System.out.println(
29             "Message from " + packet.getAddress().getHostAddress() + ": " + msg);
30     }
31 }
32
33 public static void main(String[] args) throws Exception {
34     UDPServer client = new UDPServer(Integer.parseInt(args[0]));
35     client.listen();
36 }
37 }
```