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//ChatServer
import java.io.*;
import java.net.*;
import java.util.*;
public class ChatServer {
  private static Set<ClientHandler> clientHandlers = new HashSet<>();
  public static void main(String[] args) throws IOException {
     ServerSocket serverSocket = new ServerSocket(1234);
     System.out.println("Server started on port 1234...");
    while (true) {
       Socket socket = serverSocket.accept();
       System.out.println("New client connected: " + socket.getInetAddress());
       ClientHandler clientHandler = new ClientHandler(socket);
       clientHandlers.add(clientHandler);
       new Thread(clientHandler).start();
    }
  }
  public static void broadcast(String message, ClientHandler sender) {
    for (ClientHandler client : clientHandlers) {
       if (client != sender) {
          client.sendMessage(message);
       }
    }
  }
  static class ClientHandler implements Runnable {
    private Socket socket;
    private PrintWriter out:
    private BufferedReader in;
    public ClientHandler(Socket socket) throws IOException {
       this.socket = socket;
       this.out = new PrintWriter(socket.getOutputStream(), true);
       this.in = new BufferedReader(new InputStreamReader(socket.getInputStream()));
    }
    public void sendMessage(String message) {
       out.println(message);
    }
    public void run() {
       try {
          String message;
```

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while ((message = in.readLine()) != null) {
            System.out.println("Received: " + message);
            ChatServer.broadcast(message, this);
         }
       } catch (IOException e) {
          System.out.println("Connection lost: " + e.getMessage());
       } finally {
         try {
            socket.close();
            clientHandlers.remove(this);
         } catch (IOException e) {
            e.printStackTrace();
         }
       }
    }
  }
}
//ChatClient
import java.io.*;
import java.net.*;
public class ChatClient {
  public static void main(String[] args) {
    try {
       Socket socket = new Socket("localhost", 1234);
       System.out.println("Connected to chat server...");
       new Thread(new ReadThread(socket)).start();
       new Thread(new WriteThread(socket)).start();
    } catch (IOException e) {
       System.out.println("Error connecting to server: " + e.getMessage());
  }
}
class ReadThread implements Runnable {
  private BufferedReader in;
  public ReadThread(Socket socket) throws IOException {
    in = new BufferedReader(new InputStreamReader(socket.getInputStream()));
  }
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public void run() {
     String response;
     try {
       while ((response = in.readLine()) != null) {
          System.out.println("\nMessage: " + response);
     } catch (IOException e) {
       System.out.println("Disconnected from server.");
  }
}
class WriteThread implements Runnable {
  private PrintWriter out;
  private BufferedReader console;
  public WriteThread(Socket socket) throws IOException {
     out = new PrintWriter(socket.getOutputStream(), true);
     console = new BufferedReader(new InputStreamReader(System.in));
  }
  public void run() {
     String message;
     try {
       while ((message = console.readLine()) != null) {
          out.println(message);
       }
     } catch (IOException e) {
       System.out.println("Error sending message.");
  }
}
```