

ChatServer.java

Wednesday 19 March, 2025, 1:45 pm

```
1 package javapractice;
2 import java.io.*;
3
4
5 public class ChatServer {
6     public static void main(String[] args) {
7         try {
8             // Create server socket and bind to port 12345
9             ServerSocket serverSocket = new ServerSocket
10             System.out.println("Server started. Waiting for
11
12             // Accept client connection
13             Socket socket = serverSocket.accept();
14             System.out.println("Client connected!");
15
16             // Create input and output streams for
17             BufferedReader in = new BufferedReader(new
18             PrintWriter out = new PrintWriter
19
20             String message;
21             // Continuously listen for messages from the
22             while ((message = in.readLine()) != null) {
23                 System.out.println("Client: " + message);
24
25                 // Send response to client
26                 out.println("Server: " + message);
27             }
28
29             // Close connections
30             in.close();
31             out.close();
32             socket.close();
33             serverSocket.close();
34         } catch (IOException e) {
35             System.out.println("Error: " + e.getMessage());
36         }
37     }
38 }
39
```