

Server side

```
import java.io.*;
import java.net.*;

public class TCPEchoServer {
    public static void main(String[] args) throws IOException {
        int port = 12345; // Choose a suitable port

        ServerSocket serverSocket = new ServerSocket(port);
        System.out.println("Server listening on port " + port);

        while (true) {
            Socket clientSocket = serverSocket.accept();
            System.out.println("Client connected: " + clientSocket.getInetAddress());

            BufferedReader in = new BufferedReader(new
InputStreamReader(clientSocket.getInputStream()));
            PrintWriter out = new PrintWriter(clientSocket.getOutputStream(), true);

            String clientMessage = in.readLine();
            System.out.println("Received from client: " + clientMessage);

            out.println("Server Echo: " + clientMessage);

            clientSocket.close();
        }
    }
}
```

Client side

```
import java.io.*;
import java.net.*;

public class TCPEchoClient {
    public static void main(String[] args) throws IOException {
        String serverAddress = "localhost"; // Change to the server's IP or hostname
        int serverPort = 12345; // Change to the server's port

        Socket socket = new Socket(serverAddress, serverPort);
```

```

        BufferedReader userInput = new BufferedReader(new InputStreamReader(System.in));
        PrintWriter out = new PrintWriter(socket.getOutputStream(), true);
        BufferedReader in = new BufferedReader(new
InputStreamReader(socket.getInputStream()));

        System.out.print("Enter a message: ");
        String message = userInput.readLine();
        out.println(message);

        String serverResponse = in.readLine();
        System.out.println("Server response: " + serverResponse);

        socket.close();
    }
}
import java.io.*;
import java.net.*;

public class TCPEchoClient {
    public static void main(String[] args) throws IOException {
        String serverAddress = "localhost"; // Change to the server's IP or hostname
        int serverPort = 12345; // Change to the server's port

        Socket socket = new Socket(serverAddress, serverPort);

        BufferedReader userInput = new BufferedReader(new InputStreamReader(System.in));
        PrintWriter out = new PrintWriter(socket.getOutputStream(), true);
        BufferedReader in = new BufferedReader(new
InputStreamReader(socket.getInputStream()));

        System.out.print("Enter a message: ");
        String message = userInput.readLine();
        out.println(message);

        String serverResponse = in.readLine();
        System.out.println("Server response: " + serverResponse);

        socket.close();
    }
}

```