Client.java

```java
import java.io.IOException;
import java.io.OutputStream;
import java.net.Socket;

public class SimpleTCPClient {
    public static void main(String[] args) {
        try {
            // Connect to the server on localhost and port 12345
            Socket socket = new Socket("localhost", 12345);

            // Get the output stream to send data to the server
            OutputStream outputStream = socket.getOutputStream();

            // Send the message "hello client" to the server
            String message = "hello client";
            outputStream.write(message.getBytes());

            // Close the connection
            socket.close();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

Server.java

```java
import java.io.IOException;
import java.io.InputStream;
import java.net.ServerSocket;
import java.net.Socket;

public class SimpleTCPServer {
    public static void main(String[] args) {
        try {
            // Create a server socket on port 12345
            ServerSocket serverSocket = new ServerSocket(12345);

            System.out.println("Server is listening on port 12345...");

            // Wait for a client to connect
            Socket clientSocket = serverSocket.accept();
            System.out.println("Client connected");
```

```java
        // Get the input stream from the client socket
        InputStream inputStream = clientSocket.getInputStream();

        // Read data from the client
        byte[] buffer = new byte[1024];
        int bytesRead;
        while ((bytesRead = inputStream.read(buffer)) != -1) {
            String message = new String(buffer, 0, bytesRead);
            System.out.println("Received message from client: " + message);
        }

        // Close the connection
        clientSocket.close();
        serverSocket.close();
    } catch (IOException e) {
        e.printStackTrace();
    }
  }
}
```

Server O/P

```
Server is listening on port 12345...
Client connected
Received message from client: hello client
```