Multithreaded Server

Here is our modified server with a new abstraction called Session. Since each session works in a separate thread, we can run multiple sessions simultaneously.

```
import java.io.*;
import java.net.ServerSocket;
import java.net.Socket;
public class EchoServer {
  private static final int PORT = 34522;
  public static void main(String[] args) {
     try (ServerSocket server = new ServerSocket(PORT)) {
       while (true) {
         Session session = new Session(server.accept());
         session.start(); // does not block this server thread
       }
    } catch (IOException e) {
       e.printStackTrace();
  }
}
class Session extends Thread {
  private final Socket socket;
  public Session(Socket socketForClient) {
     this.socket = socketForClient;
  }
  public void run() {
     try (
       DataInputStream input = new
DataInputStream(socket.getInputStream());
       DataOutputStream output = new
DataOutputStream(socket.getOutputStream())
    ) {
       for (int i = 0; i < 5; i++) {
         String msg = input.readUTF();
         output.writeUTF(msg);
       socket.close();
    } catch (IOException e) {
       e.printStackTrace();
    }
  }
```