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1.TCP Client, TCP Server
import java.io.*;
import java.net.*;
class TCPClient {
public static void main(String argv[]) throws Exception
String sentence;
String modifiedSentence;
BufferedReader inFromUser =
new BufferedReader(new InputStreamReader(System.in));
Socket clientSocket = new Socket("172.16.102.68", 6789);
DataOutputStream outToServer =
new DataOutputStream(clientSocket.getOutputStream());
BufferedReader inFromServer =
new BufferedReader(new InputStreamReader(clientSocket.getInputStream()));
sentence = inFromUser.readLine();
outToServer.writeBytes(sentence + '\n');
modifiedSentence = inFromServer.readLine();
System.out.println("FROM SERVER: " + modifiedSentence);
clientSocket.close();
}
TCP Server
import java.io.*;
import java.net.*;
class TCPServer {
public static void main(String argv[]) {
try {
ServerSocket welcomeSocket = new ServerSocket(6789);
while (true) {
Socket connectionSocket = welcomeSocket.accept();
new ClientHandler(connectionSocket).start();
} catch (IOException e) {
e.printStackTrace();
}
static class ClientHandler extends Thread {
private final Socket clientSocket;
public ClientHandler(Socket socket) {
this.clientSocket = socket;
public void run() {
```

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try {
    BufferedReader inFromClient = new BufferedReader(new
InputStreamReader(clientSocket.getInputStream()));
    DataOutputStream outToClient = new
DataOutputStream(clientSocket.getOutputStream());
    String clientSentence = inFromClient.readLine();
    String capitalizedSentence = clientSentence.toUpperCase() + '\n';
    outToClient.writeBytes(capitalizedSentence);
    clientSocket.close();
    } catch (IOException e) {
        e.printStackTrace();
    }
}
```