EX.NO:3A ECHO CLIENT AND ECHO SERVER APPLICATIONS USING TCP SOCKETS

**EchoServer:**

import java.io.\*;

import java.net.\*;

import java.util.\*;

public class EchoServer {

public static void main(String args[]) {

try {

ServerSocket ss=new ServerSocket(6666);

Socket s=ss.accept();

DataInputStream din=new DataInputStream(s.getInputStream());

DataOutputStream dout=new DataOutputStream(s.getOutputStream());

Scanner input=new Scanner(System.in);

String senddata="";

String recievedata="";

while(!recievedata.equals("stop")) {

recievedata=din.readUTF();

System.out.println("CLIENT SAYS :"+recievedata);

System.out.print("TO CLIENT :");

senddata=input.nextLine();

dout.writeUTF(senddata); }

din.close();

dout.close();

s.close();

ss.close();

} catch(Exception e) {

System.out.println(e);

}

}

}

**EchoClient:**

import java.io.\*;

import java.net.\*;

import java.util.\*;

public class EchoClient {

public static void main(String args[]) {

try {

Socket s=new Socket("localhost",6666);

DataInputStream din=new DataInputStream(s.getInputStream());

DataOutputStream dout=new DataOutputStream(s.getOutputStream());

Scanner input=new Scanner(System.in);

String senddata=""; String recievedata="";

while(!senddata.equals("stop")) {

System.out.print("TO SERVER :");

senddata=input.nextLine();

dout.writeUTF(senddata);

recievedata=din.readUTF();

System.out.println("SERVER SAYS :"+recievedata);

}

din.close();

dout.close();

s.close();

} catch(Exception e) {

System.out.println(e);

} } }

OUTPUT:

