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PTCPEchoServer.java
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```
import java.io.*;
import java.net.*;
import java.util.*;
public class PTCPEchoServer {
       public final static int defaultPort = 2019;
       public static void main(String args[]) {
              try {
                     ServerSocket ss = new ServerSocket(defaultPort);
                     System.out.println("server socket is running");
                     while (true) {
                            try {
                                   Socket s = ss.accept();
                                   // Tao xu ly
                                   RequestProcessing rq = new RequestProcessing(s);
                                   rq.start();
                            } catch(IOException e) {
                                   System.out.println("connection Error: " + e);
                            }
                     }
              } catch (Exception e) {
                     System.out.println("Creat Socket Error: " + e);
              }
       }
}
RequestProcessing.java
import java.io.*;
import java.net.*;
class RequestProcessing extends Thread
{
       private Socket s;
       public RequestProcessing(Socket s1) {
              s = s1;
       public void run() {
              try {
                     OutputStream os = s.getOutputStream();
                     InputStream is = s.getInputStream();
                     int ch = 0;
                     while(true) {
```

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ch = is.read();
                            if(ch == -1) break;
                            os.write(ch);
                     }
                     s.close();
              }
              catch (IOException e) {
                     System.err.println("Processing Error: " + e);
              }
       }
}
STCPEchoServer.java
import java.io.*;
import java.net.*;
import java.util.*;
public class STCPEchoServer {
       public final static int defaultPort = 8080;
       public static void main(String args[]) {
              try {
                     ServerSocket ss = new ServerSocket(8080);
                     System.out.println("server socket is running");
                     while (true) {
                            Socket s = ss.accept();
                            OutputStream os = s.getOutputStream();
                            InputStream is = s.getInputStream();
                            int ch = 0;
                            while (true) {
                                   ch = is.read();
                                   if (ch == -1)
                                   break;
                                   System.out.print((char) ch);
                                   os.write(ch);
                            }
                            s.close();
              } catch (Exception e) {
                     System.out.print(e.toString());
              }
       }
}
```

TCPEchoClient.java

```
import java.io.*;
import java.net.*;
import java.util.*;
public class TCPEchoClient {
       public static void main(String args[]) {
              try {
                      Socket s = new Socket(args[0], Integer.parseInt(args[1]));
                      InputStream is = s.getInputStream();
                      OutputStream os = s.getOutputStream();
                      while (true) {
                            BufferedReader br = new BufferedReader(new
                            InputStreamReader(System.in));
                            String theString = br.readLine();
                            byte[] data = theString.getBytes();
                            String quit = new String("quit");
                            if (Arrays.equals(quit.getBytes(), data)) {
                                   System.out.println("Quit");
                                   break;
                            for (int i = 0; i < data.length; i++) {
                                   os.write(data[i]);
                                   int ch = is.read();
                                   System.out.print((char) ch);
                            System.out.println();
                      s.close();
              } catch (Exception e) {
                     System.out.print(e.toString());
              }
       }
}
```