**BÁO CÁO LAB 4:**

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Bài 1: đọc số

Code:

* Server

**import** java.io.PrintStream;

**import** java.net.ServerSocket;

**import** java.net.Socket;

**import** java.util.Scanner;

**public** **class** server\_number {

**public** **static** **void** main(String args[]) {

**while**(**true**) {

**try** {

ServerSocket ss=**new** ServerSocket(3000);

System.***out***.println("Wait client connect...");

Socket sc=ss.accept();

System.***out***.println("connected!!!");

Scanner inFromCl=**new** Scanner(sc.getInputStream());

PrintStream outToCl=**new** PrintStream(sc.getOutputStream());

outToCl.println("say something...");

String Cl=inFromCl.nextLine();

**while**(**true**){

**switch**(Cl)

{

**case** "0":

outToCl.println("không");

**break**;

**case** "1":

outToCl.println("một");

**break**;

**case** "2":

outToCl.println("hai");

**break**;

**case** "3":

outToCl.println("ba");

**break**;

**case** "4":

outToCl.println("bốn");

**break**;

**case** "5":

outToCl.println("năm");

**break**;

**case** "6":

outToCl.println("sáu");

**break**;

**case** "7":

outToCl.println("bảy");

**break**;

**case** "8":

outToCl.println("tám");

**break**;

**case** "9":

outToCl.println("chín");

**break**;

**case** "end":

**break**;

**default**:

outToCl.println("không phải số nguyên");

}}

} **catch** (Exception e) {

// **TODO**: handle exception

}

}

}

}

* Client

**import** java.io.PrintStream;

**import** java.net.Socket;

**import** java.util.Scanner;

**public** **class** client\_number {

**public** **static** **void** main(String[] args) {

**try** {

Socket sc=**new** Socket("localhost",3000);

System.***out***.println("Client !!");

Scanner inFromSv=**new** Scanner(sc.getInputStream());

PrintStream outToSv=**new** PrintStream(sc.getOutputStream());

System.***out***.println("Server: "+inFromSv.nextLine());

Scanner scan = **new** Scanner(System.***in***);

**while**(**true**){

String num=scan.nextLine();

outToSv.println(num);

System.***out***.println("Server: "+inFromSv.nextLine());

}

} **catch** (Exception e) {

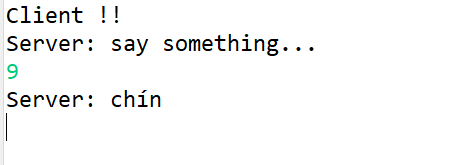
// **TODO**: handle exception

}

}

}

Kết quả:



Bài 2: chat server client

Code:

* Server

**package** app\_chat;

**import** java.net.\*;

**import** java.io.\*;

**public** **class** server {

**public** **static** **void** main(String[] args){

ServerSocket ss;

**try** {

ss = **new** ServerSocket(5000);

System.***out***.println("server ...");

Socket s = ss.accept();

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

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

BufferedReader br = **new** BufferedReader(**new** InputStreamReader(System.***in***));

String str = "", str2 = "";

**while** (!str.equals("stop")) {

str = din.readUTF();

System.***out***.println("client says: " + str);

str2 = br.readLine();

dout.writeUTF(str2);

dout.flush();

}

din.close();

s.close();

ss.close();

} **catch** (IOException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

}

}

* Client

**package** app\_chat;

**import** java.net.\*;

**import** java.io.\*;

**class** MyClient {

**public** **static** **void** main(String args[]) {

Socket s;

**try** {

s = **new** Socket("localhost", 5000);

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

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

BufferedReader br = **new** BufferedReader(**new** InputStreamReader(System.***in***));

String str = "", str2 = "";

**while** (!str.equals("stop")) {

str = br.readLine();

dout.writeUTF(str);

dout.flush();

str2 = din.readUTF();

System.***out***.println("Server says: " + str2);

}

dout.close();

s.close();

} **catch** (UnknownHostException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

} **catch** (IOException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

}

}

Kết quả:

