**import** java.io.IOException;

**import** java.io.ObjectInputStream;

**import** java.io.ObjectOutputStream;

**import** java.net.InetAddress;

**import** java.net.Socket;

**import** java.util.InputMismatchException;

**import** java.util.Scanner;

**public** **class** Client {

**private** **static** **final** **int** ***PORT*** = 12345;

**private** **static** Scanner *input*;

**private** **static** String *message*;

**private** **static** String *firstinput* = **null**;

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

**try** {

InetAddress address = InetAddress.*getLocalHost*();

Socket socket = **new** Socket(address, ***PORT***);

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

ObjectOutputStream outputStream = **new** ObjectOutputStream(socket.getOutputStream());

outputStream.flush();

ObjectInputStream inputStream = **new** ObjectInputStream(socket.getInputStream());

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

**while** (*message*!="shutdown"){

System.***out***.println("Enter a message:\n");

**try** {

*message* = *input*.nextLine();

}

**catch** (InputMismatchException e) {

System.***out***.println("Input must be an string");

String error\_var = *input*.next();

}

//

System.***out***.print("The last user wrote: ");

**if** (*firstinput*==**null**){

System.***out***.print("You're the first to comment");

}

**else**{

System.***out***.println(*message*);

}

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

*firstinput* = *message*;

outputStream.writeUTF(*message*);

outputStream.flush();

String outputmessage = inputStream.readUTF();

System.***out***.println("Client received: " + outputmessage);

}

inputStream.close();

outputStream.close();

socket.close();

System.***out***.println("shutting down");

} **catch** (IOException ex) {

ex.printStackTrace();

}

}

}