**PRACTICAL NO:**

**CLIENT**

**SOURCE CODE:**

import java.io.\*;

import java.net.\*;

class ChatClient

{

public static void main(String[] args) throws Exception

{

Socket s = new Socket("localhost", 9999);

BufferedReader sbr = new BufferedReader(new InputStreamReader(s.getInputStream()));

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

PrintWriter pw = new PrintWriter(s.getOutputStream());

while(true)

{

System.out.print("Client : ");

String str = br.readLine();

pw.println(str);

pw.flush();

System.out.println();

String ans = sbr.readLine();

System.out.println("Server : " + ans);

System.out.println();

if(!str.toUpperCase().equals("BYE"));

}

}

}

**SERVER:**

**SOURCE CODE:**

import java.io.\*;

import java.net.\*;

class ChatServer

{

public static void main(String[] args) throws Exception

{

ServerSocket ss = new ServerSocket(9999);

Socket s = ss.accept();

BufferedReader sbr = new BufferedReader(new InputStreamReader(s.getInputStream()));

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

PrintWriter pw = new PrintWriter(s.getOutputStream());

while(true)

{

String str = sbr.readLine();

System.out.println("Client : " + str);

System.out.print("Server : ");

String ans = br.readLine();

pw.println(ans);

pw.flush();

System.out.println();

if(!str.toUpperCase().equals("BYE"));

}

}

}

**OUTPUT:**

