**Practical 8**

**Aim:** Configure and implement secure web communication using SSL/TSL Protocols and secure session management.

**Code:**

**Client side:**

package com.mycompany.ty05rehmah;

//AIM: Configure and implement secure web communication using

//SSL/TSL Protocols and secure session management.

import java.util.\*;

import java.io.\*;

import java.net.\*;

public class Prac8ClientSide {

public static void main(String args[]){

Socket socket = null;

java.io.InputStreamReader insr = null;

java.io.OutputStreamWriter oswr = null;

java.io.BufferedReader br = null;

java.io.BufferedWriter bw = null;

try{

socket = new Socket("localhost", 8080);

insr = new InputStreamReader(socket.getInputStream());

oswr = new OutputStreamWriter(socket.getOutputStream());

br = new BufferedReader(insr);

bw = new BufferedWriter(oswr);

Scanner sc = new Scanner(System.in);

while(true){

String msgtosend = sc.next();

bw.write(msgtosend);

bw.newLine();

bw.flush();

if(msgtosend.equalsIgnoreCase("BYE")){

break;

}

}

}catch(Exception e){

System.out.println("Error: " + e);

}

}

}

**Server Side:**

package com.mycompany.ty05rehmah;

//AIM: Configure and implement secure web communication using

//SSL/TSL Protocols and secure session management.

import java.io.\*;

import java.net.\*;

public class Prac8ServerSide {

public static void main(String args[]) throws IOException{

Socket socket;

ServerSocket serversocket = new ServerSocket(8080);

java.io.InputStreamReader insr = null;

java.io.OutputStreamWriter oswr = null;

java.io.BufferedReader br = null;

java.io.BufferedWriter bw = null;

while(true){

try{

socket = serversocket.accept();

insr = new InputStreamReader(socket.getInputStream());

oswr = new OutputStreamWriter(socket.getOutputStream());

br = new BufferedReader(insr);

bw = new BufferedWriter(oswr);

while(true){

String msgfromclient = br.readLine();

System.out.println(msgfromclient);

bw.write("Message Received");

bw.newLine();

bw.flush();

if(msgfromclient.equalsIgnoreCase("BYE")){

break;

}

}

}catch(Exception e){

System.out.println("Error: " + e);

}

}

}

}

Output:



