Lecture15: 6-1-2021

package javaapplication5;

import java.io.\*;

import [java.net.](https://l.facebook.com/l.php?u=http%3A%2F%2Fjava.net%2F%3Ffbclid%3DIwAR1qU97gbY2CLrGIXHOJI3WIDSjMjJ5Uw7Mn8T6Cbt8DubE5r5vk-4WpEEE&h=AT2wr3vr7SAgkFnuDPJLERcgPxQ_sD3r8UMwEvN4SNNrHcjwBklkvg3vycDrTOqR1Dk5aQtbhFVe15J05pSilS5ZqDupPpAw8HI48rTgh6rcTv-qo6C_rABGCxmkX_Dw8OuM&__tn__=-UK-R&c%5b0%5d=AT13JSoBuenSEHR0pzF-DV5fmWqD0zCdZVwevTsBPTAbPRa6oU-OPJ-DKQRxAhaG09lvpzpQlJDs6A9lYZp6_xC0cmbuuIIrqAkgNiTGOG826jSKiUcZ2TaWXGl3sKIubXRhDl84xHAswKS8MDP9nXqWZH2BnIefKR_Mk79R63YppUjQBsPu-Gm-pz54wT9mo-SabD_9eCIY)\*;

public class JavaApplication5 {

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

Socket soc = new Socket("[dict.org](https://l.facebook.com/l.php?u=http%3A%2F%2Fdict.org%2F%3Ffbclid%3DIwAR0vxgi6Amrhv3z5WJ8ACV_cOZa7NTSWjjehAJ3oNRn_hdUSQJGlJ3c6liE&h=AT0y5PC6VcJhiCGM2obZKJOk0X29bK4vgp1lGsIpvY2CjyxETvkT3NSHowBe0IgUqEqZpklv0bNm_FRjDDyVFSt887vAVt1xYXrVRxqt2JAFJ64Av_RY12uuPUpEEeLe0YpL&__tn__=-UK-R&c%5b0%5d=AT13JSoBuenSEHR0pzF-DV5fmWqD0zCdZVwevTsBPTAbPRa6oU-OPJ-DKQRxAhaG09lvpzpQlJDs6A9lYZp6_xC0cmbuuIIrqAkgNiTGOG826jSKiUcZ2TaWXGl3sKIubXRhDl84xHAswKS8MDP9nXqWZH2BnIefKR_Mk79R63YppUjQBsPu-Gm-pz54wT9mo-SabD_9eCIY)",2628);

//soc.setSoTimeout(2000);

BufferedWriter bufw = new BufferedWriter (new OutputStreamWriter (soc.getOutputStream()));

BufferedReader bufr = new BufferedReader (new InputStreamReader (soc.getInputStream()));

String word="rfgrfgrgr";

bufw.write("define fd-eng-ara "+word);

bufw.newLine();

bufw.flush();

String res;

while ((res=bufr.readLine())!=null)

if (res.contains(word)){

res=bufr.readLine();

System.out.println(bufr.readLine());

break;

}

}

}

Lecture16: 13-1-2022

server code :

package javaapplication4;

import [java.net.](http://java.net/?fbclid=IwAR1A1dZQ8DfwtrEs5AMUPMSGgtSE7cRuGMsOjje8jtG7_d9NAVqRtUcIun4)\*;

import java.io.\*;

public class Server {

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

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

ServerSocket srv = new ServerSocket(8888);

Socket conn= srv.accept();

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

BufferedReader bufr = new BufferedReader(new InputStreamReader(conn.getInputStream()));

BufferedWriter bufw = new BufferedWriter (new OutputStreamWriter (conn.getOutputStream()));

String data=bufr.readLine();

while (!data.equals("bye")){

bufw.write("From Server: "+data);

String arr[]=data.split(" ");

if(arr[0].equals("add"))

{ int x=Integer.parseInt(arr[1])+Integer.parseInt(arr[2]);

bufw.write("From Server: "+x);

}

if(arr[0].equals("sub"))

{

int x=Integer.parseInt(arr[1])-Integer.parseInt(arr[2]);

bufw.write("From Server: "+x);

}

if(arr[0].equals("mul"))

{

int x=Integer.parseInt(arr[1])\*Integer.parseInt(arr[2]);

bufw.write("From Server: "+x);

}

if(arr[0].equals("div"))

{

int x=Integer.parseInt(arr[1])/Integer.parseInt(arr[2]);

bufw.write("From Server: "+x);

}

bufw.newLine();

bufw.flush();

data=bufr.readLine();

}

conn.close();

}

}

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Client\_\_\_\_\_\_\_\_\_\_\_

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package javaapplication4;

import java.io.\*;

import [java.net.](https://l.facebook.com/l.php?u=http%3A%2F%2Fjava.net%2F%3Ffbclid%3DIwAR1b8LoN16Gnr9upMliyInEB-ICcqIQfUqaaocy_Cbsf_GMFnCTO-JhpCes&h=AT2wr3vr7SAgkFnuDPJLERcgPxQ_sD3r8UMwEvN4SNNrHcjwBklkvg3vycDrTOqR1Dk5aQtbhFVe15J05pSilS5ZqDupPpAw8HI48rTgh6rcTv-qo6C_rABGCxmkX_Dw8OuM&__tn__=-UK-R&c%5b0%5d=AT3YKILt_QJPZvATAwsZlN8BAU24f4W-np1IQJldYpDcYhoXhTEMGtjYeV4isbBuMP0BTrPmsMXkVqSdR8R4JvsE68-ZFiegDO_zu6Gw_zda6BFFXD9aqDV32hC2AGeNaUQeWs0fZIAfCh08y1mOPPlezIo69Db0BeECLF8gkRb3iCdFVNJxO35H3KbAQLUjas_q5YH0c0js)\*;

import java.net.NetworkInterface;

import java.net.URL;

/\*\*

\*

\* @author Administrator

\*/

public class JavaApplication4 {

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

Socket soc = new Socket("localhost",8888);

SocketAddress addr = soc.getRemoteSocketAddress();

System.out.println(addr);

addr = soc.getLocalSocketAddress();

System.out.println(addr);

BufferedWriter bufw = new BufferedWriter (new OutputStreamWriter (soc.getOutputStream()));

BufferedReader bufr = new BufferedReader (new InputStreamReader (soc.getInputStream()));

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

String data=bufrc.readLine();

while (!data.equals("bye"))

{

if (data!=null){

bufw.write(data);

bufw.newLine();

bufw.flush();

}//if

String rec=bufr.readLine();

if (rec!=null)

System.out.println(rec);

data=bufrc.readLine();

}

bufw.write(data);

bufw.newLine();

bufw.flush();

soc.close();

}

}

Lecture17: 19-1-2022

package javaapplication6;

import java.sql.\*;

public class JavaApplication6 {

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

Class.forName("oracle.jdbc.driver.OracleDriver");

Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","hr","hr");

Statement stmt = con.createStatement();

//stmt.executeUpdate("insert into countries values('GZ','Gazza',3)");

ResultSet rs = stmt.executeQuery("select \* from countries where region\_id=3");

while (rs.next())

System.out.println(rs.getString("country\_id")+"\t"+rs.getString("country\_name")+"\t"+rs.getInt("region\_id"));

}

}

Lecture18: 27-1-2022

server:

===============

package javaapplication6;

import java.net.DatagramPacket;

import java.net.DatagramSocket;

import java.net.InetAddress;

public class NewClass {

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

DatagramSocket server = new DatagramSocket(1234) ;

byte data[]=new byte[1024];

DatagramPacket receive = new DatagramPacket(data,0,data.length);

while (true){

server.receive(receive);

String str = new String(data);

DatagramPacket send = new DatagramPacket(("from Server: "+str).getBytes(),("from Server: "+str).length(),receive.getAddress(),receive.getPort() );

server.send(send);

}

}

}

===============client -------------------------

package javaapplication6;

import [java.net.](https://l.facebook.com/l.php?u=http%3A%2F%2Fjava.net%2F%3Ffbclid%3DIwAR0704Q7kC4cuc-ktC1CF3MbegrDFDpYsdqA1Y4OmARo2erYAkCoIfHFibo&h=AT2wr3vr7SAgkFnuDPJLERcgPxQ_sD3r8UMwEvN4SNNrHcjwBklkvg3vycDrTOqR1Dk5aQtbhFVe15J05pSilS5ZqDupPpAw8HI48rTgh6rcTv-qo6C_rABGCxmkX_Dw8OuM&__tn__=-UK-R&c%5b0%5d=AT2r4XZC4g8h3RoQSAs23ZdQteHaXUF37CyZtUhsXl1zNt-Eik9AYl3k_lyA-N7k2s71p_rWSwNlG_TGtGiNrxaZYBVagPZAHTfUVa0z8AppDq2iVKi13_O8D7vu60WH0FIQXMtbJ_kwqE39UVFwbbGYiLwgaLBpQcby84tagexBN4hOSkrlYjJFIQxvuo3pu4fOGjmK4ySn)\*;

public class JavaApplication6 {

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

DatagramSocket client = new DatagramSocket(0) ;

byte data[]=new byte[1024];

DatagramPacket send = new DatagramPacket("Hi there".getBytes(),"Hi there".length(),InetAddress.getByName("localhost"),1234 );

client.send(send);

DatagramPacket receive = new DatagramPacket(data,data.length);

client.receive(receive);

String str = new String(data);

System.out.println(str);

}

}

Lecture 19:

Sockets:

package javaapplication5;

import java.io.\*;

import java.net.\*;

public class JavaApplication5 {

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

Socket soc = new Socket("localhost",8888);

SocketAddress addr = soc.getRemoteSocketAddress();

System.out.println(addr);

addr = soc.getLocalSocketAddress();

System.out.println(addr);

BufferedWriter bufw = new BufferedWriter (new OutputStreamWriter (soc.getOutputStream()));

BufferedReader bufr = new BufferedReader (new InputStreamReader (soc.getInputStream()));

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

String data=bufrc.readLine();

while (!data.equals("bye"))

{

if (data!=null){

bufw.write(data);

bufw.newLine();

bufw.flush();

}//if

String rec=bufr.readLine();

if (rec!=null)

System.out.println(rec);

data=bufrc.readLine();

}

bufw.write(data);

bufw.newLine();

bufw.flush();

soc.close();

}

}

//===================server===============

package javaapplication5;

import java.net.\*;

import java.io.\*;

public class Server {

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

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

ServerSocket srv = new ServerSocket(8888);

Socket conn= srv.accept();

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

BufferedReader bufr = new BufferedReader(new InputStreamReader(conn.getInputStream()));

BufferedWriter bufw = new BufferedWriter (new OutputStreamWriter (conn.getOutputStream()));

String data=bufr.readLine();

while (!data.equals("bye")){

bufw.write("From Server: "+data);

bufw.newLine();

bufw.flush();

data=bufr.readLine();

}

conn.close();

}

}

Server:

package javaapplication5;

import java.net.\*;

import java.io.\*;

class Session extends Thread{

Socket conn;

public Session(Socket conn) {

this.conn = conn;

}

public void run(){

try{

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

BufferedReader bufr = new BufferedReader(new InputStreamReader(conn.getInputStream()));

BufferedWriter bufw = new BufferedWriter (new OutputStreamWriter (conn.getOutputStream()));

String data=bufr.readLine();

while (!data.equals("bye")){

bufw.write("From Server: "+data);

bufw.newLine();

bufw.flush();

data=bufr.readLine();

}

conn.close();

}catch(Exception e){

e.printStackTrace();

}

}

}

public class Server {

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

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

ServerSocket srv = new ServerSocket(8880);

while (true)

new Session(srv.accept()).start();

}

}

Oracle :

package javaapplication6;

import java.sql.\*;

public class JavaApplication6 {

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

Class.forName("oracle.jdbc.driver.OracleDriver");

Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","hr","hr");

Statement stmt = con.createStatement();

//stmt.executeUpdate("insert into countries values('GZ','Gazza',3)");

ResultSet rs = stmt.executeQuery("select \* from employees");

while (rs.next())

System.out.println(rs.getString("first\_name")+"\t"+rs.getString("last\_name")+"\t"+rs.getInt("salary")+"\t"+rs.getDate("hire\_date"));

}

}

Client:

package javaapplication5;

import java.io.\*;

import java.net.\*;

public class JavaApplication5 {

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

Socket soc = new Socket("localhost",8880);

SocketAddress addr = soc.getRemoteSocketAddress();

System.out.println(addr);

addr = soc.getLocalSocketAddress();

System.out.println(addr);

BufferedWriter bufw = new BufferedWriter (new OutputStreamWriter (soc.getOutputStream()));

BufferedReader bufr = new BufferedReader (new InputStreamReader (soc.getInputStream()));

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

String data=bufrc.readLine();

while (!data.equals("bye"))

{

if (data!=null){

bufw.write(data);

bufw.newLine();

bufw.flush();

}//if

String rec=bufr.readLine();

if (rec!=null)

System.out.println(rec);

data=bufrc.readLine();

}

bufw.write(data);

bufw.newLine();

bufw.flush();

soc.close();

}

}