package networking;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.InetAddress;

import java.net.UnknownHostException;

public class ipaddress {

/\*\*

\* @author Lakshman

\*

\*/

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

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

System.out.println("enter any website name:");

String site=br.readLine();

try{

InetAddress ip=InetAddress.getByName(site);

System.out.println("the ip address is:"+ip);

}

catch(UnknownHostException ue){

System.out.println("this website is not found");

}

}

}

package networking;

import java.net.MalformedURLException;

import java.net.URL;

public class myurl {

/\*\*

\* @author Lakshman

\*

\*/

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

URL obj=new URL("http://dreamtechpress.com/index.html");

System.out.println("protocol:"+obj.getProtocol());

System.out.println("host:"+obj.getHost());

System.out.println("file:"+obj.getFile());

System.out.println("port:"+obj.getPort());

System.out.println("path:"+obj.getPath());

System.out.println("external form:"+obj.toExternalForm());

}

}

package networking;

import java.io.IOException;

import java.io.InputStream;

import java.net.URL;

import java.net.URLConnection;

import java.sql.Date;

public class details {

/\*\*

\* @author Lakshman

\*

\*/

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

URL obj=new URL("http://www.yahoo.com/index.html");

URLConnection conn=obj.openConnection();

System.out.println("date:" + new Date(conn.getDate()));

System.out.println("content-type:" + conn.getContentType());

System.out.println("expiry:" + conn.getExpiration());

System.out.println("last modified:" + conn.getLastModified());

int l=conn.getContentLength();

System.out.println("lenth of content" + l);

if(l==0){

System.out.println("content is not available");

return;

}

else{

int ch;

InputStream in=conn.getInputStream();

while((ch=in.read())!=-1)

System.out.print((char)ch);

}

}

}

package networking;

import java.io.IOException;

import java.io.OutputStream;

import java.io.PrintStream;

import java.net.ServerSocket;

import java.net.Socket;

public class server1 {

/\*\*

\* @author Lakshman

\*

\*/

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

ServerSocket ss=new ServerSocket(775);

Socket s=ss.accept();

System.out.println("connection established");

OutputStream obj=s.getOutputStream();

PrintStream ps=new PrintStream(obj);

String str="hello client";

ps.println(str);

ps.println("byeeee");

ps.close();

ss.close();

s.close();

}

}

**package** networking;

**import** java.io.BufferedReader;

**import** java.io.IOException;

**import** java.io.InputStream;

**import** java.io.InputStreamReader;

**import** java.net.Socket;

**import** java.net.UnknownHostException;

**public** **class** client1 {

/\*\*

\* **@author** Lakshman

\*

\*/

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

Socket s=**new** Socket("localhost",775);

InputStream obj=s.getInputStream();

BufferedReader br=**new** BufferedReader(**new** InputStreamReader(obj));

String str;

**while**((str=br.readLine())!=**null**)

System.*out*.println("from server data:"+str);

br.close();

s.close();

}

}

package networking;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.io.PrintStream;

import java.net.ServerSocket;

import java.net.Socket;

public class server2 {

/\*\*

\* @author Lakshman

\*

\*/

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

ServerSocket ss=new ServerSocket(889);

Socket s=ss.accept();

System.out.println("connetion established");

PrintStream ps=new PrintStream(s.getOutputStream());

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

BufferedReader br1=new BufferedReader(new InputStreamReader(System.in));

while(true){

String str,str1;

while((str=br1.readLine())!=null)

{

System.out.println(str);

str1=br1.readLine();

ps.println(str1);

}

ps.close();

br.close();

br1.close();

ss.close();

s.close();

}

}

}

package networking;

import java.io.BufferedReader;

import java.io.DataOutputStream;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.Socket;

import java.net.UnknownHostException;

public class client2 {

/\*\*

\* @author Lakshman

\*

\*/

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

Socket s=new Socket("localhost",889);

DataOutputStream dos=new DataOutputStream(s.getOutputStream());

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

BufferedReader br1=new BufferedReader(new InputStreamReader(System.in));

String str,str1;

while(!(str=br1.readLine()).equals("exit"))

{

dos.writeBytes(str+"\n");

str1=br1.readLine();

System.out.println(str1);

}

dos.close();

br.close();

br1.close();

s.close();

}

}

package networking;

import java.io.BufferedReader;

import java.io.DataOutputStream;

import java.io.File;

import java.io.FileReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.ServerSocket;

import java.net.Socket;

public class fileserver {

/\*\*

\* @author Lakshman

\*

\*/

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

ServerSocket ss=new ServerSocket(8888);

Socket s=ss.accept();

System.out.println("connection establisehed");

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

DataOutputStream out=new DataOutputStream(s.getOutputStream());

String fname=br.readLine();

FileReader fr=null;

BufferedReader file=null;

boolean flag;

File f=new File(fname);

if(f.exists())flag=true;

else flag=false;

if(flag=true)

out.writeBytes("no"+"\n");

else

out.writeBytes("no"+"\n");

if(flag==true){

fr=new FileReader(fname);

file=new BufferedReader(fr);

String str;

while((str=file.readLine())!=null){

out.writeBytes(str+"\n");

}

file.close();

out.close();

br.close();

fr.close();

s.close();

ss.close();

}

}

}

package networking;

import java.io.BufferedReader;

import java.io.DataOutputStream;

import java.io.File;

import java.io.FileReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.ServerSocket;

import java.net.Socket;

public class fileserver {

/\*\*

\* @author Lakshman

\*

\*/

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

ServerSocket ss=new ServerSocket(8888);

Socket s=ss.accept();

System.out.println("connection establisehed");

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

DataOutputStream out=new DataOutputStream(s.getOutputStream());

String fname=br.readLine();

FileReader fr=null;

BufferedReader file=null;

boolean flag;

File f=new File(fname);

if(f.exists())flag=true;

else flag=false;

if(flag=true)

out.writeBytes("no"+"\n");

else

out.writeBytes("no"+"\n");

if(flag==true){

fr=new FileReader(fname);

file=new BufferedReader(fr);

String str;

while((str=file.readLine())!=null){

out.writeBytes(str+"\n");

}

file.close();

out.close();

br.close();

fr.close();

s.close();

ss.close();

}

}

}

package networking;

import java.io.BufferedReader;

import java.io.DataOutputStream;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.Socket;

import java.net.UnknownHostException;

import strings.stringbuffermethods;

public class fileclient {

/\*\*

\* @author Lakshman

\*

\*/

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

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

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

System.out.println("enter file name:");

String fname=br.readLine();

DataOutputStream out=new DataOutputStream(s.getOutputStream());

out.writeBytes(fname+"\n");

BufferedReader br1=new BufferedReader(new InputStreamReader(s.getInputStream()));

String str;

str=br1.readLine();

if(str.equals("yes")){

while((str=br1.readLine())!=null)

System.out.println(str);

br.close();

out.close();

br1.close();

s.close();

}

}

}