1.Write a socket program to get current date and time from server

CLIENT SIDE

import java.io.\*;  
import java.net.\*;  
class DateClient  
{  
    public static void main(String args[]) throws Exception  
    {  
        Socket soc=new Socket(InetAddress.getLocalHost(),5217);          
        BufferedReader in=new BufferedReader(new InputStreamReader(soc.getInputStream()  ));  
        System.out.println(in.readLine());  
    }      
}

SERVER SIDE

mport java.net.\*;  
import java.io.\*;  
import java.util.\*;  
class DateServer  
{  
    public static void main(String args[]) throws Exception  
    {  
        ServerSocket s=new ServerSocket(5217);  
        while(true)  
        {  
            System.out.println("Waiting For Connection ...");  
            Socket soc=s.accept();  
            DataOutputStream out=new DataOutputStream(soc.getOutputStream());  
            out.writeBytes("Server Date: " + (new Date()).toString() + "\n");  
            out.close();  
            soc.close();  
        }  
    }  
}

2.Write a socket program where client can chat with server

**import** java.net.\*;

**import** java.io.\*;

**public** **class** chatserver

{

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

{

ServerSocket ss=**new** ServerSocket(2000);

Socket sk=ss.accept();

BufferedReader cin=newBufferedReader(newInputStreamReader(sk.getInputStream()));

PrintStream cout=**new** PrintStream(sk.getOutputStream());

BufferedReader stdin=**new** BufferedReader(**new** InputStreamReader(System.in));

String s;

**while** ( **true** )

{

s=cin.readLine();

**if** (s.equalsIgnoreCase("END"))

{

cout.println("BYE");

**break**;

}

System. out.print("Client : "+s+"**\n**");

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

s=stdin.readLine();

cout.println(s);

}

ss.close();

sk.close();

cin.close();

cout.close();

stdin.close();

}

}

**public** **class** chatclient

{

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

{

Socket sk=**new** Socket("192.168.0.19",2000);

BufferedReader sin=**new** BufferedReader(**new** InputStreamReader(sk.getInputStream()));

PrintStream sout=**new** PrintStream(sk.getOutputStream());

BufferedReader stdin=**new** BufferedReader(**new** InputStreamReader(System.in));

String s;

**while** ( **true** )

{

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

s=stdin.readLine();

sout.println(s);

s=sin.readLine();

System.out.print("Server : "+s+"**\n**");

**if** ( s.equalsIgnoreCase("BYE") )

**break**;

}

sk.close();

sin.close();

sout.close();

stdin.close();}}