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Server:
import java.io.*;
import java.net.*;
public class Server{
        private static int indexOf(String[] array, String str){
                str = str.trim();
                for (int i = 0; i < array.length; i++){
                        if (array[i].equals(str))
                                return i;
                }
                return -1;
       }
        public static void main(String arg[]) throws IOException {
                String[] hosts = { "yahoo.com", "gmail.com", "cricinfo.com",
                facebook.com", "gokulsreejith.com"};
                        String[] ip = {"68.180.206.184", "209.85.148.19", "80.168.92.140",
                "69.63.189.16","168.135.77.9"};
        System.out.println("Press Ctrl + C to Quit");
        while (true){
                DatagramSocket serversocket = new DatagramSocket(1362);
                byte[] senddata = new byte[1021];
                byte[] receivedata = new byte[1021];
                DatagramPacket recvpack = new DatagramPacket(receivedata, receivedata.length);
                serversocket.receive(recvpack);
                String sen = new String(recvpack.getData());
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InetAddress ipaddress = recvpack.getAddress();
                int port = recvpack.getPort();
                String capsent;
                System.out.print("Request for host " + sen);
                if (indexOf(hosts, sen) != -1)
                       capsent = ip[indexOf(hosts, sen)];
                else
                        capsent = "Host Not Found";
                senddata = capsent.getBytes();
                DatagramPacket pack = new DatagramPacket(senddata, senddata.length,
ipaddress,port);
                serversocket.send(pack);
                serversocket.close();
                }
       }
}
```

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Client:
import java.io.*;
import java.net.*;
public class Client{
        public static void main(String args[])throws IOException {
               BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
               DatagramSocket clientsocket = new DatagramSocket();
               InetAddress ipaddress;
               if (args.length == 0)
                       ipaddress = InetAddress.getLocalHost();
               else
                       ipaddress = InetAddress.getByName(args[0]);
               byte[] senddata = new byte[1024];
               byte[] receivedata = new byte[1024];
               int portaddr = 1362;
               System.out.print("Enter the hostname: ");
               String sentence = br.readLine();
               senddata = sentence.getBytes();
               DatagramPacket pack = new DatagramPacket(senddata, senddata.length, ipaddress,
               portaddr);
               clientsocket.send(pack);
               DatagramPacket recvpack = new DatagramPacket(receivedata,receivedata.length);
               clientsocket.receive(recvpack);
               String modified = new String(recvpack.getData());
               System.out.println("IP Address: " + modified);
               clientsocket.close();
       }
```

}