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import java.net.*;
import java.util.*;
public class IPDemo {
    public static void main(String[] args) {
        String host;
        Scanner ch = new Scanner(System.in);
        System.out.print("1. Enter Host Name\n2. Enter IP address\nChoice=");
        int choice = ch.nextInt();
        if (choice == 1) {
            Scanner input = new Scanner(System.in);
            System.out.print("\nEnter host name: ");
            host = input.nextLine();
            try {
                InetAddress address = InetAddress.getByName(host);
                System.out.println("IP address: " + address.getHostAddress());
                System.out.println("Host name: " + address.getHostName());
                System.out.println("Host name and IP address: " + address.toString());
            } catch (UnknownHostException ex) {
                System.out.println("Could not find " + host);
            }
        } else {
            Scanner input = new Scanner(System.in);
            System.out.print("\nEnter IP address: ");
            host = input.nextLine();
            try {
                InetAddress address = InetAddress.getByName(host);
                System.out.println("Host name: " + address.getHostName());
                System.out.println("IP address: " + address.getHostAddress());
                System.out.println("Host name and IP address: " + address.toString());
            } catch (UnknownHostException ex) {
                System.out.println("Could not find " + host);
            }
        }
    }
}

```