CODE :-

```java
package DNS;

import java.net.*;
import java.util.*;

public class DNS_LOOKUP
{
    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("\n Enter 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("\n Enter 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);
            }
        }
    }
}
```

OUTPUT :-

```
1.Enter Host Name
2.Enter IP address
Choice=1

 Enter host name: www.google.com
IP address: 216.58.203.4
Host name : www.google.com
Host name and IP address: www.google.com/216.58.203.4

1.Enter Host Name
2.Enter IP address
Choice=2

 Enter IP address: 8.8.8.8
Host name : dns.google
IP address: 8.8.8.8
Host name and IP address: dns.google/8.8.8.8
```