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Batch : B

Aim : Write a program for DNS lookup. Given an IP address input, it should return URL and vice versa.

```java
import java.util.*;

import java.net.*;


public class IPdemo{

        public static void main(String args[]){

                String host;

                Scanner ch=new Scanner(System.in);

                System.out.println("\n1-Enter the Host Name\n2-Enter the Host Address\nEnter your choice: ");

                int choice= ch.nextInt();

                if(choice==1){

                        Scanner input=new Scanner(System.in);

                        System.out.println("Enter the 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("Host Not found"+ host);

                        }

                }

                else{
```

```java
Scanner input=new Scanner(System.in);

System.out.println("Enter the Host IP : ");

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("IP not found "+host);

}

}

}

}
```

OUTPUT