**Implementation of DNS.**

**Program:**

import java.net.\*;

import java.io.\*;

import java.util.\*;

public class DNS

{

public static void main(String[] args)

{

int n;

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

do

{

System.out.println("\n Menu: \n 1. DNS 2. Reverse DNS 3. Exit \n");

System.out.println("\n Enter your choice");

n = Integer.parseInt(System.console().readLine());

if(n==1)

{

try

{

System.out.println("\n Enter Host Name ");

String hname=in.readLine();

InetAddress address;

address = InetAddress.getByName(hname);

System.out.println("Host Name: " + address.getHostName());

System.out.println("IP: " + address.getHostAddress());

}

catch(IOException ioe)

{

ioe.printStackTrace();

}

}

if(n==2)

{

try

{

System.out.println("\n Enter IP address");

String ipstr = in.readLine();

InetAddress ia = InetAddress.getByName(ipstr);

System.out.println("IP: "+ipstr);

System.out.println("Host Name: " +ia.getHostName());

}

catch(IOException ioe)

{

ioe.printStackTrace();

}

}

}while(!(n==3));

}

}

**OUTPUT:-**

