**Networking Lab**

**Cyclesheet I**

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**Program 1:**

import java.io.\*;

import java.net.\*;

class Sample3

{

public static void main(String args[])

{

try

{

InetAddress a=InetAddress.getByName("www.vit.ac.in");

System.out.println(a);

}

catch(UnknownHostException e)

{

System.out.println("cannot find");

}

}

}

**output:**

[www.vit.ac.in/10.10.2.198](http://www.vit.ac.in/10.10.2.198)

**Program 2:**

import java.io.\*;

import java.net.\*;

class Sample1

{

public static void main(String args[])

{

try

{

InetAddress a[]=InetAddress.getAllByName("www.microsoft.com");

for(int i=0;i<a.length;i++)

System.out.println(a[i]);

}

catch(UnknownHostException e)

{

System.out.println("cannot find");

}

}

}

**output:**

www.microsoft.com/23.61.86.228

[www.microsoft.com/2600:140f:5:181:0:0:0:2768](http://www.microsoft.com/2600:140f:5:181:0:0:0:2768)

**Program 3:**

import java.io.\*;

import java.net.\*;

class Sample

{

public static void main(String args[])

{

try

{

InetAddress a=InetAddress.getLocalHost();

System.out.println(a);

}

catch(UnknownHostException e)

{

System.out.println("cannot find");

}

}

}

**output:**sjtg20site42/127.0.1.1

**Program 4:**

import java.io.\*;

import java.net.\*;

class Sample2

{

public static void main(String args[])

{

try

{

InetAddress a=InetAddress.getHostAddress();

System.out.println(a);

}

catch(UnknownHostException e)

{

System.out.println("cannot find");

}

}

}

**Program 5:**

import java.io.\*;

import java.net.\*;

import java.util.\*;

class Sample4

{

public static void main(String args[])

{

try

{

System.out.println("enter your ip address");

Scanner sc=new Scanner(System.in);

String add=sc.nextLine();

String[] arr=add.split("\\.");

Integer a[]=new Integer[7];

for(int i=0;i<=3;i++)

{

a[i]=Integer.parseInt(arr[i]);

}

if(a[0]==127)

{

if(a[3]>=1 && a[3]<255)

System.out.println("Loopback address");

}

}

catch(Exception e)

{

System.out.println(e);

}

}

}

**output:**enter your ip address

127.0.0.1

Loopback address

**Program 6:**

import java.io.\*;

import java.net.\*;

import java.util.\*;

class Sample5

{

public static void main(String args[])

{

try

{

Process p=Runtime.getRuntime().exec(args[0]+" "+args[1]);

//Scanner sc=new Scanner(new InputStreamReader(p.getInputStream));

//String p1=sc.nextLine();

BufferedReader br=new BufferedReader(new InputStreamReader(p.getInputStream()));

String p1=br.readLine();

System.out.println(p1);

}catch(Exception e)

{

System.out.println(e);

}

}

}

**output:**java Sample5 ping www.vit.ac.in

PING vitwebsite-test.vit.ac.in (10.10.2.198) 56(84) bytes of data.