**B.Tech (IT) – VI Semester**

**NETWORKING LAB**

**Cycle Sheet**

**CYCLE-I**

**13BIT0058(Rishab Mittal)**

1. **Write a java program to print the address of** [**www.vit.ac.in**](http://www.vit.ac.in/)**.**

**PORGRAM:**

import java.net.\*;

public class getByName

{

public static void main (String[] args)

{

try

{

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

System.out.println(address);

}

catch (UnknownHostException e)

{

System.out.println("Could not find www.vit.ac.in ");

}

}

}

**OUTPUT:**

**mock1@sjtg20site41:~$ java getByName**

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

1. **Write a java program to print all the addresses of** [**www.microsoft.com**](http://www.microsoft.com/)**.**

**PROGRAM:**

import java.io.\*;

import java.net.\*;

public class getAllByName

{

public static void main (String[] args)

{

try

{

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

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

{

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

}

}

catch (UnknownHostException e)

{

System.out.println(e);

}

}

}

**OUTPUT:**

**mock1@sjtg20site41:~$ java getAllByName**

**www.google.com/216.58.220.4**

[**www.google.com/2404:6800:4009:804:0:0:0:2004**](http://www.google.com/2404:6800:4009:804:0:0:0:2004)

1. **Write a java program to print the address of a local machine.**

**PROGRAM:**

import java.io.\*;

import java.net.\*;

public class getLocalHost

{

public static void main (String[] args)

{

try

{

InetAddress address = InetAddress.getLocalHost();

System.out.println(address);

}

catch (UnknownHostException e)

{

System.out.println(e);

}

}

}

**OUTPUT:**

**mock1@sjtg20site41:~$ java getLocalHost**

**sjtg20site41/127.0.1.1**

1. **Write a java program to find the hostname, given the IP address.**

**PROGRAM:**

import java.io.\*;

import java.net.\*;

import java.security.\*;

public class getHostAddress

{

public static void main (String[] args)

{

try

{

//InetAddress address = InetAddress.getLocalHost();

URL add1 = new URL("https://www.google.com");

URLStreamHandler address = URLStreamHandler.getHostAddress(add1);

System.out.println(address);

}

catch (UnknownHostException e)

{

System.out.println(e);

}

}

}

**OUTPUT:**

mock1@sjtg20site41:~$ javac getHostAddress.java

getHostAddress.java:13: error: getHostAddress(URL) has protected access in URLStreamHandler

URLStreamHandler address = URLStreamHandler.getHostAddress(add1);

^

getHostAddress.java:13: error: incompatible types

URLStreamHandler address = URLStreamHandler.getHostAddress(add1);

^

required: URLStreamHandler

found: InetAddress