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SLOT: L7+L8+L39+L40+L21+L22

LAB-3

Write a Java program to read the IP address and Host Name of the machine, collect other crucial parameters of VTOP as listed below Collect the IP address of the machines connected to the LAN.

Parameters

1. Authority
 2. Port
 3. Content Type
 4. Host
 5. Canonical Name
 6. Date Last Modified
- (Online Students can try identifying the Ip address of the mobile through laptop (instead of LAN))

Code:

```
import java.util.*;
import java.net.*;
import java.net.UnknownHostException;
class Main {
    public static void main(String[] args)throws Exception {
        Scanner sc=new Scanner(System.in);
        String str="https://www.google.co.in";
        URI u=new URI(str);
        URL url=new URL(str);
        String s="www.vitap.ac.in";
        InetAddress ip1= InetAddress.getByName(s);
        InetAddress ip2= InetAddress.getLocalHost();
        URLConnection uc=url.openConnection();
        System.out.println("Authority =" +u.getAuthority());
        System.out.println("Port =" +u.getPort());
        System.out.println("Host =" +u.getHost());
        System.out.println("Canonical Name =" +ip1.getCanonicalHostName());
        System.out.println("Content Type =" +url.getContent());
        System.out.println("Ip address of the machines =" +ip2);
        System.out.println("Hodification time:" +uc.getLastModified());
    }
}
```

Output:

```
E:\Lab-Reports\NWP\Lab_2>javac Main.java

E:\Lab-Reports\NWP\Lab_2>java Main
Authority =www.google.co.in
Port =-1
Host =www.google.co.in
Canonical Name =static.52.36.9.5.clients.your-server.de
Content Type =sun.net.www.protocol.http.HttpURLConnection$HttpInputStream@60c6f5b
Ip address of the machines =MADHAV/192.168.56.1
Hodification time:0

E:\Lab-Reports\NWP\Lab_2>|
```