

NETWORK PROGRAMMING LAB

LAB 3 – URL CLASS

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Q) 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

CODE

```
import java.net.*;
import java.lang.*;
public class Main{
public static void main(String[] args){
try{
    URL url=new URL("https://vtop2.vitap.ac.in/vtop/initialProcess");

    //Protocol
    System.out.println("Protocol:"+url.getProtocol());

    // 1. Authority
    System.out.println("Authority: "+url.getAuthority());

    // 2. Port
    System.out.println("Port Number: "+url.getPort());

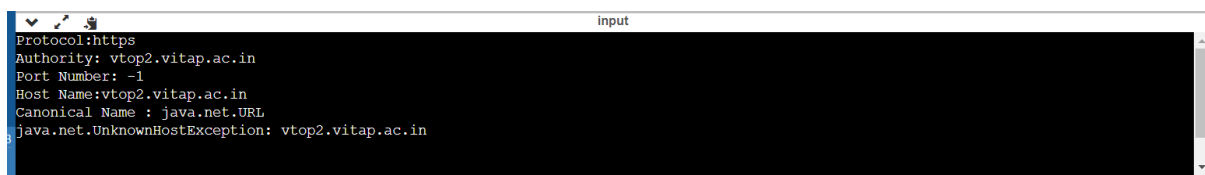
    // 4. Host
    System.out.println("Host Name:"+url.getHost());
```

```
// 5. Canonical Name  
  
Class cls= url.getClass();  
  
System.out.println("Canonical Name : "+cls.getCanonicalName());
```

```
// 3. Content Type  
  
System.out.println("Content: "+url.getContent());
```

```
}catch(Exception e){System.out.println(e);}  
  
}  
  
}
```

OUTPUT



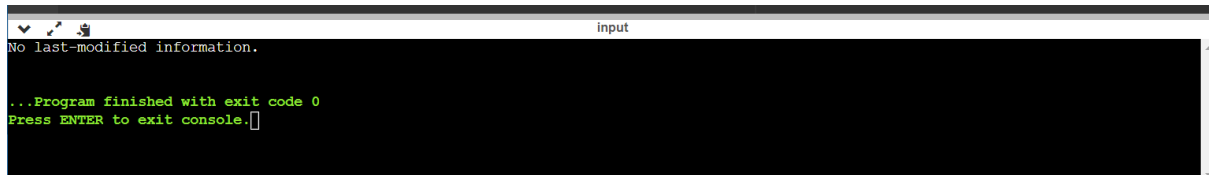
```
Protocol:https  
Authority: vtop2.vitap.ac.in  
Port Number: -1  
Host Name:vtop2.vitap.ac.in  
Canonical Name : java.net.URL  
java.net.UnknownHostException: vtop2.vitap.ac.in
```

CODE – Date Modified

```
import java.net.*;  
  
import java.lang.*;  
  
import java.util.Date;  
  
public class Main{  
  
    public static void main(String args[]) throws Exception {  
  
        URL url = new URL("https://vtop2.vitap.ac.in/vtop/initialProcess");  
  
        HttpURLConnection httpCon = (HttpURLConnection) url.openConnection();  
  
  
        long date = httpCon.getLastModified();  
  
        if (date == 0)
```

```
        System.out.println("No last-modified information.");  
    else  
        System.out.println("Last-Modified: " + new Date(date));  
  
    }  
}
```

OUTPUT -



```
input  
No last-modified information.  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```