

## 1. A simple program to print the IP address of the system

### Algorithm

1. Import all the required packages net, and io packages
2. Create a class ipclient
3. Initialize InetAddress class and create the object ia.
4. Get the Ip address of the system using getLocalHost() method
5. Print the IP address.

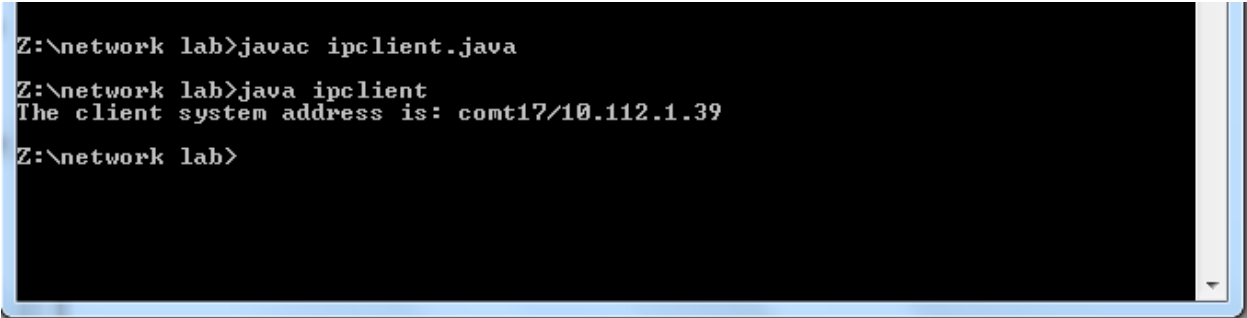
### PROGRAM

```
import java.net.*;
import java.io.*;

class ipclient
{
    public static void main(String args[])
    {
        try
        {
            InetAddress ia=InetAddress.getLocalHost();

            System.out.println("The client system address is: "+ia);
        }
        catch(IOException e)
        {
            System.out.println("The exception is: "+e);
        }
    }
}
```

OUTPUT:



```
Z:\network lab>javac ipclient.java
Z:\network lab>java ipclient
The client system address is: comt17/10.112.1.39
Z:\network lab>
```

The image shows a screenshot of a Windows command prompt window. The window has a black background with white text. The title bar is not visible. The command prompt shows the following sequence of commands and output: 1. The user enters 'javac ipclient.java' at the prompt 'Z:\network lab>'. 2. The user enters 'java ipclient' at the prompt 'Z:\network lab>'. 3. The program outputs 'The client system address is: comt17/10.112.1.39'. 4. The prompt returns to 'Z:\network lab>'.