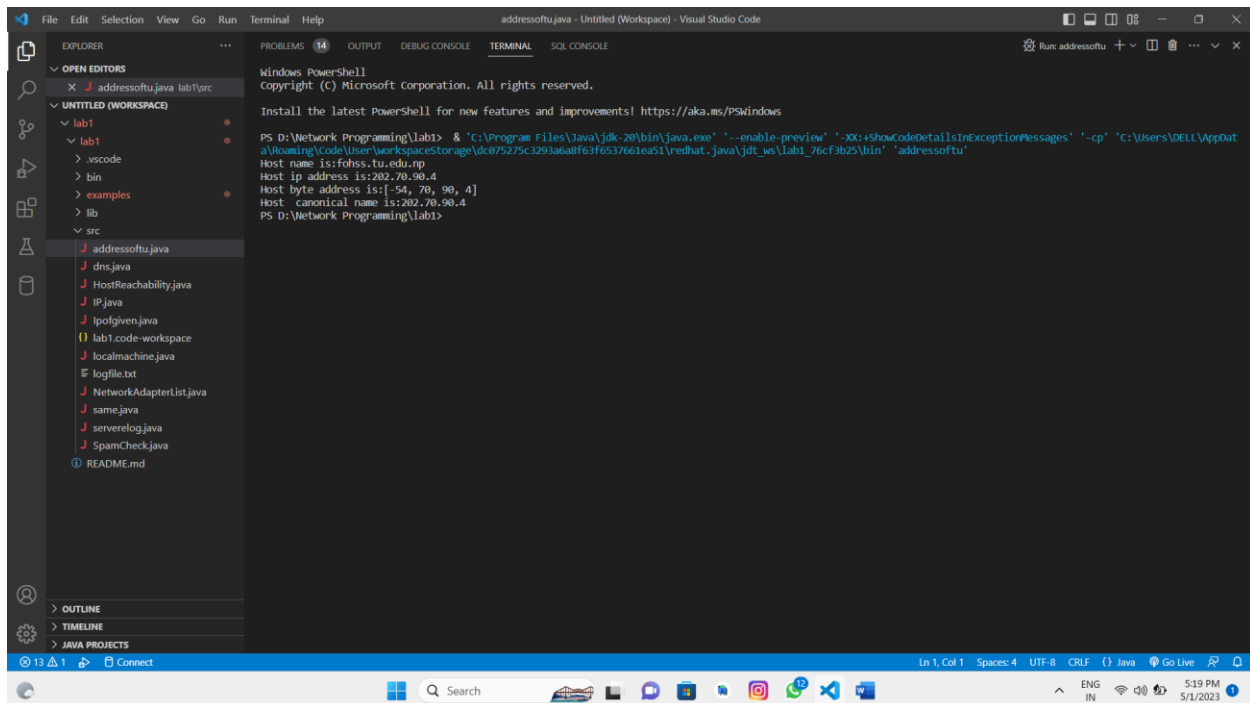


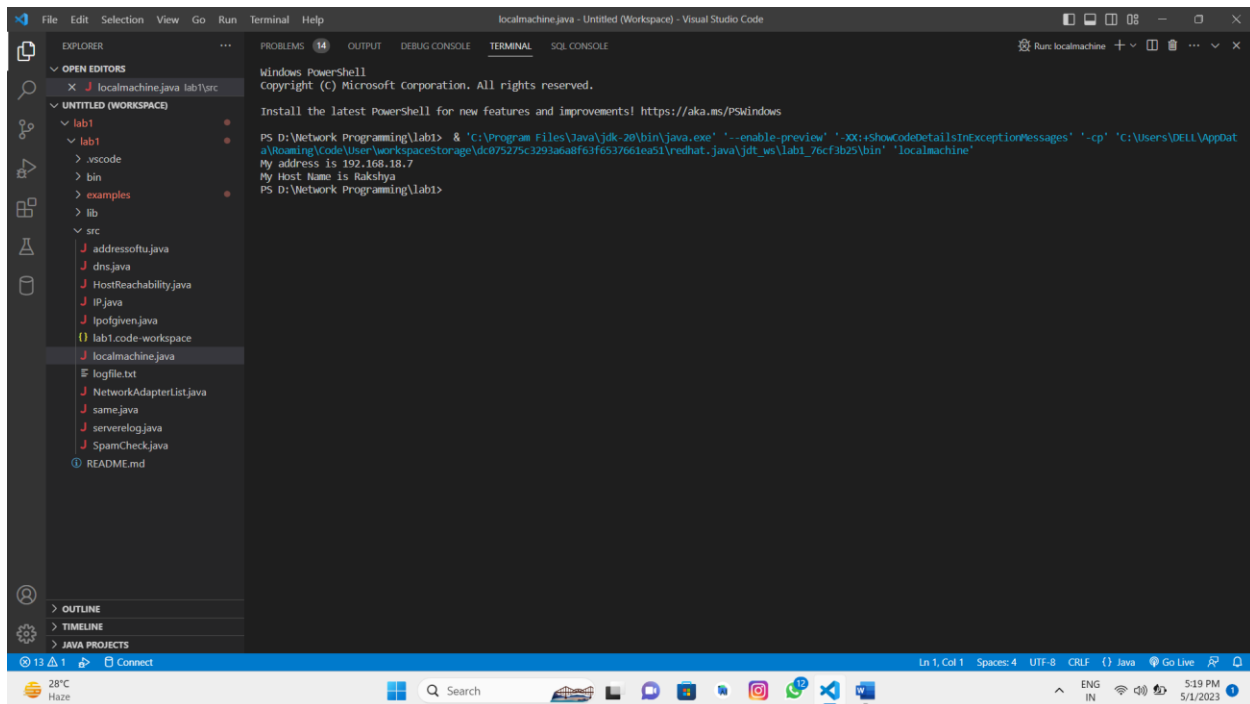
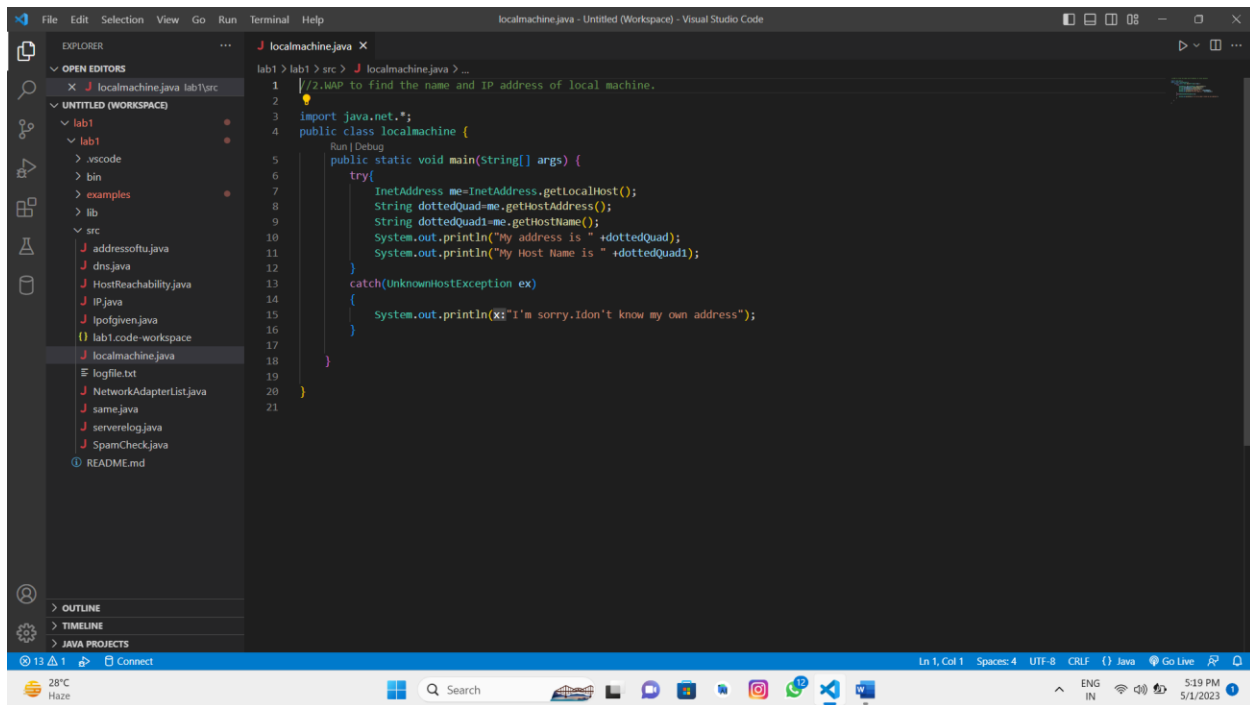
```
1 //1.WAP to find the address of fohss.tu.edu.np
2
3
4 import java.net.InetAddress;
5 import java.net.UnknownHostException;
6 import java.util.Arrays;
7
8 public class addressoftu
9 {
10     public static void main(String[] args)
11     {
12         String hostname="fohss.tu.edu.np";
13         try
14         {
15
16             InetAddress address=InetAddress.getByName(hostname);
17             System.out.println("Host name is:"+address.getHostNme());
18             System.out.println("Host ip address is:"+address.getHostAddress());
19             System.out.println("Host byte address is:"+Arrays.toString(address.getAddress()));
20             System.out.println("Host canonical name is:"+address.getCanonicalHostName());
21         }
22         catch(UnknownHostException ae)
23         {
24             System.out.println("error");
25         }
26     }
27 }
28
29
```

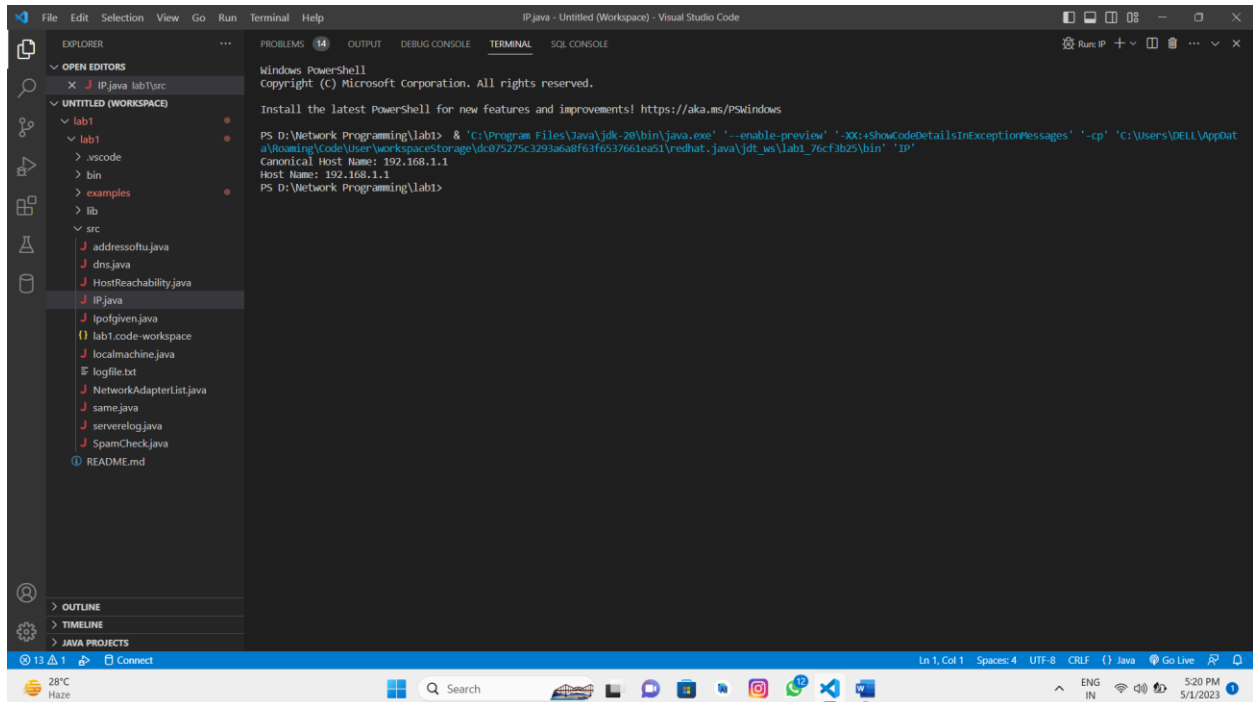
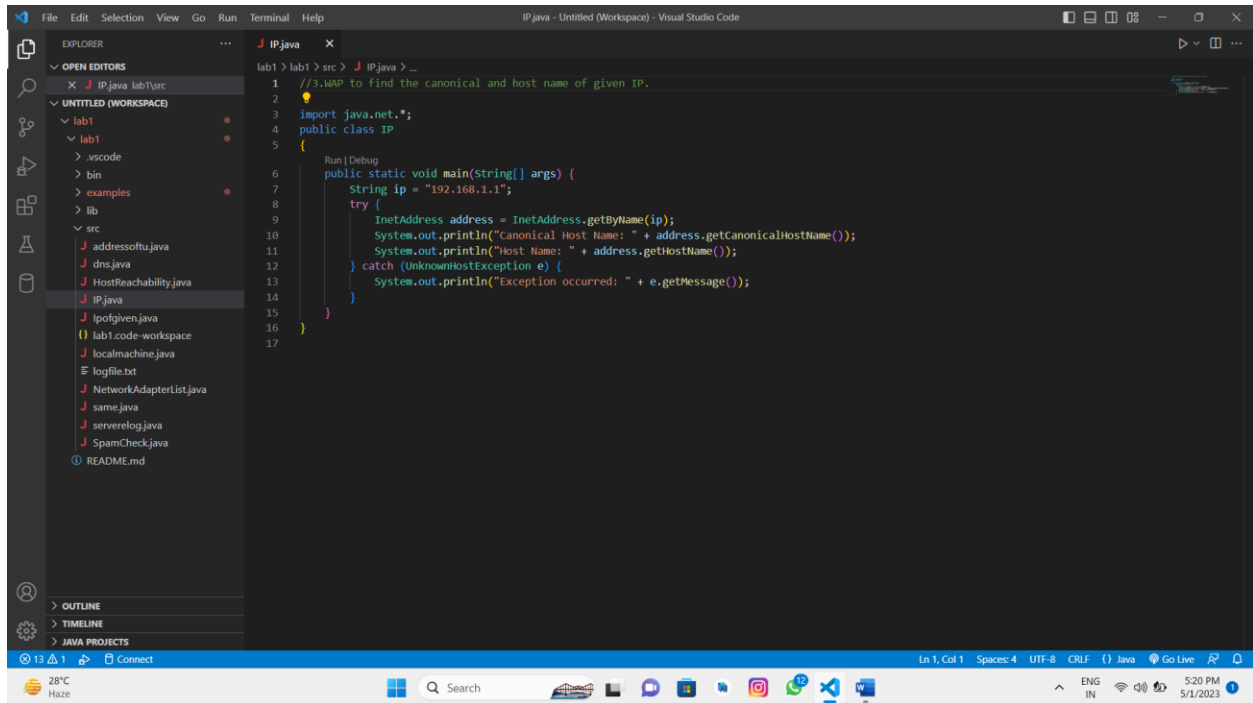


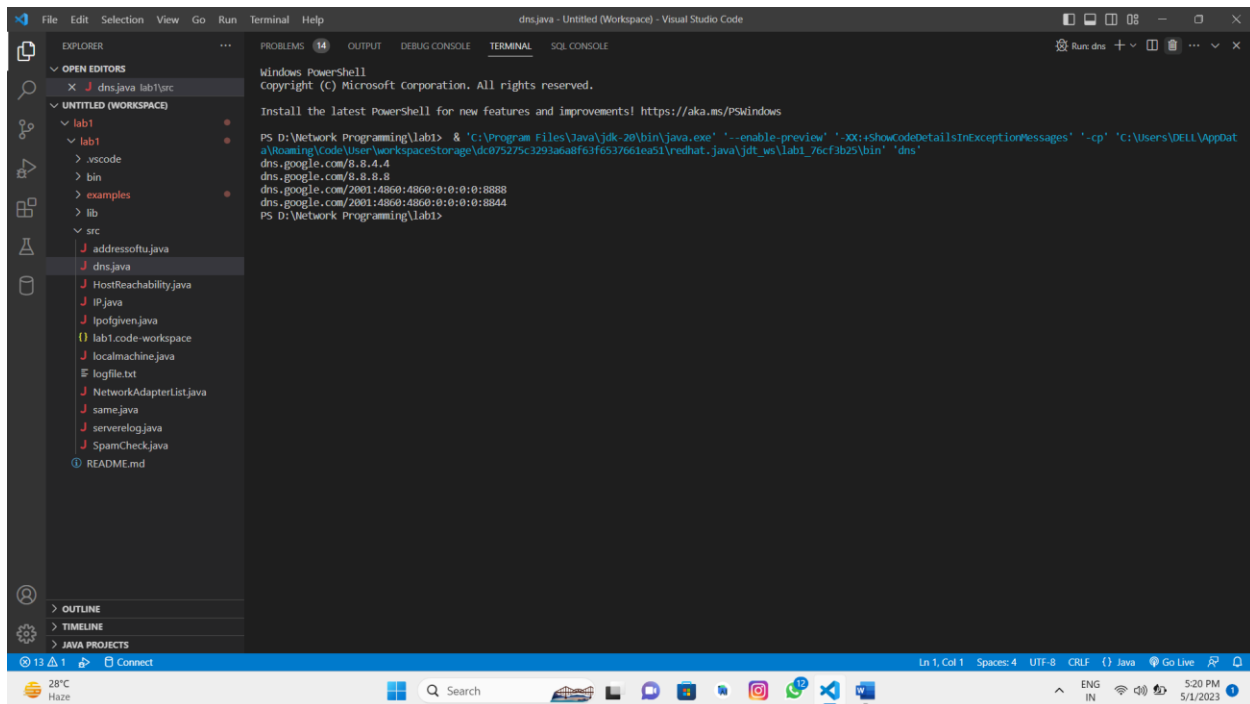
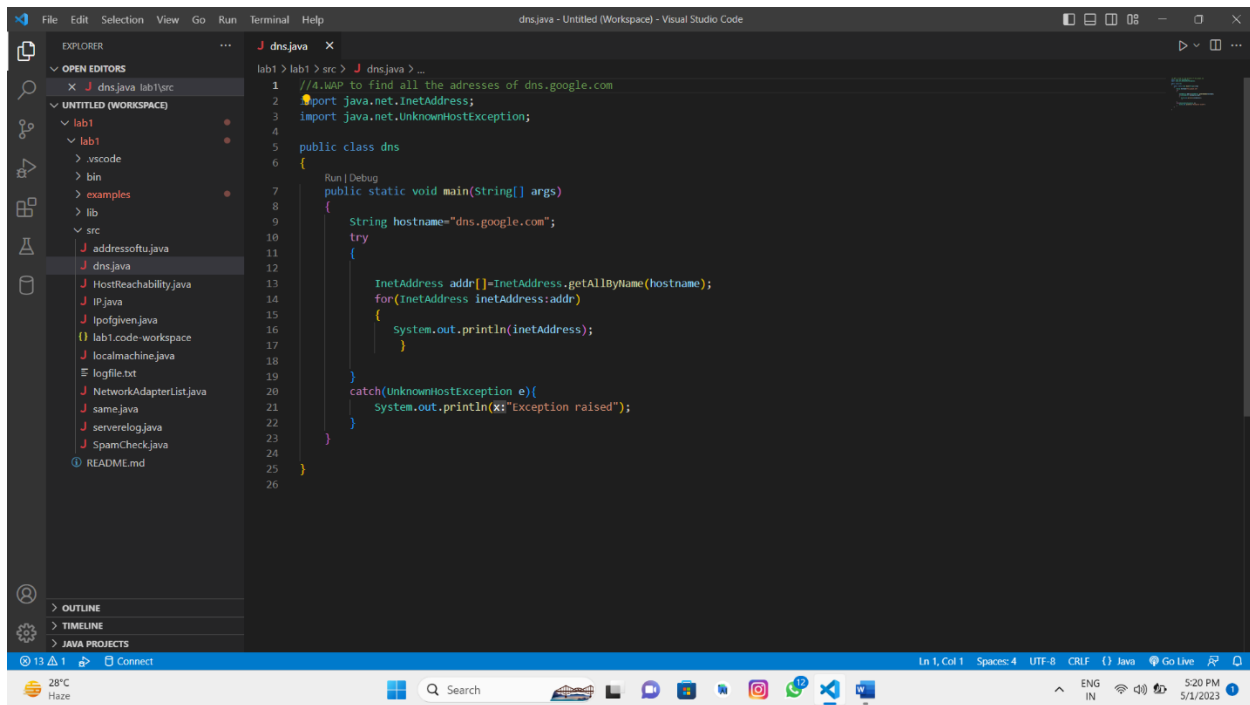
```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

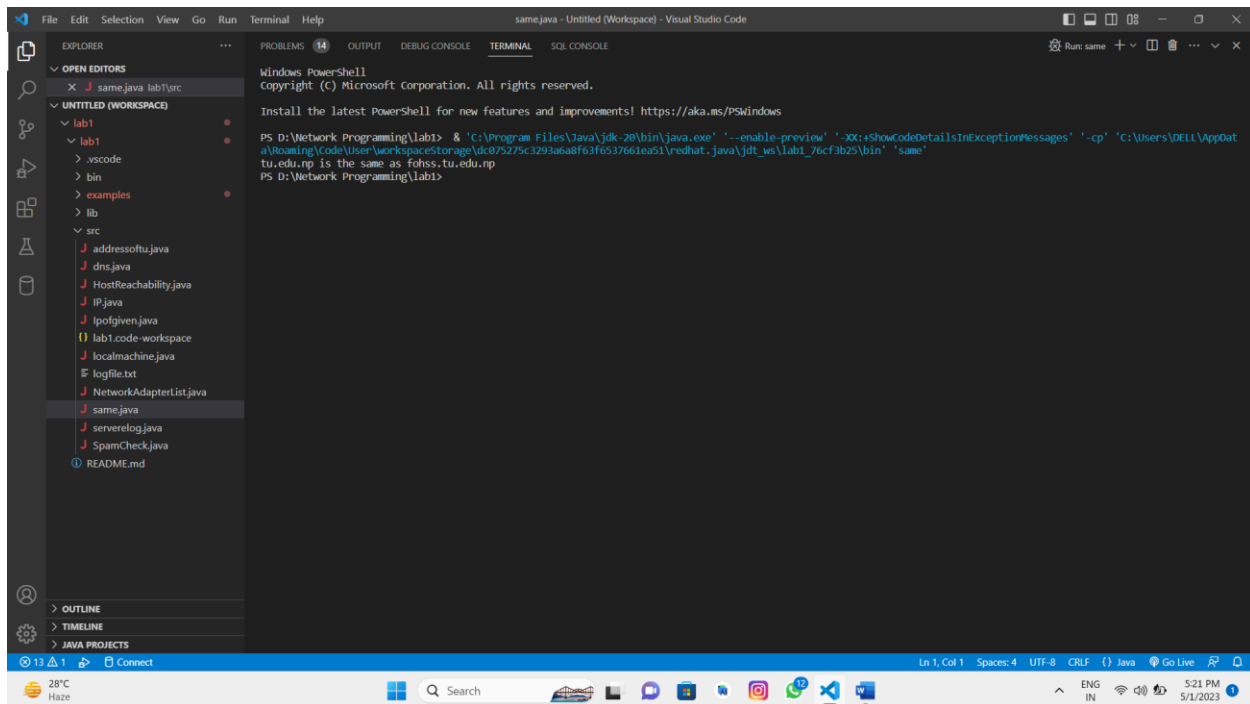
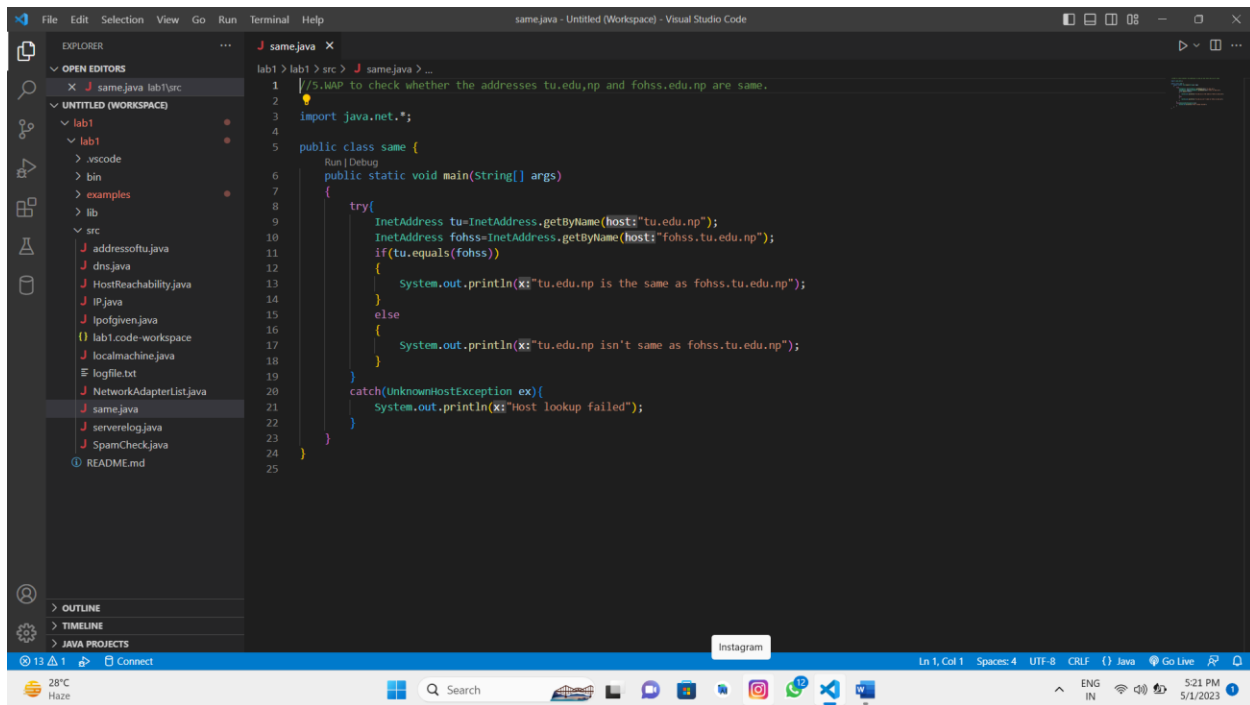
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\Network Programming\lab1> & 'C:\Program Files\Java\jdk-20\bin\java.exe' '-enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\VOEL\AppData\Local\Microsoft\Windows\Code\User\workspaceStorage\dc075275c3293a6a8f63f6537661e5d1\redhat.java\jdt_ws\lab1_76cf3b25\bin' 'addressoftu'
Host name is:fohss.tu.edu.np
Host ip address is:202.70.90.4
Host byte address is:[-54, 70, 90, 4]
Host canonical name is:202.70.90.4
PS D:\Network Programming\lab1>
```









```
1 //6.WAP to list the names and display name of all network adapters in the machine
2
3 import java.net.NetworkInterface;
4 import java.net.SocketException;
5 import java.util.Enumeration;
6
7 public class NetworkAdapterList {
8
9     public static void main(String[] args) {
10         try {
11             Enumeration<NetworkInterface> interfaces = NetworkInterface.getNetworkInterfaces();
12             while (interfaces.hasMoreElements()) {
13                 NetworkInterface networkInterface = interfaces.nextElement();
14                 System.out.println("Name: " + networkInterface.getName());
15                 System.out.println("Display name: " + networkInterface.getDisplayName());
16                 System.out.println();
17             }
18         } catch (SocketException e) {
19             System.out.println("Unable to retrieve network interface information");
20         }
21     }
22 }
23
24
25
```

```
Name: wlan12
Display name: Microsoft Wi-Fi Direct Virtual Adapter #2-WFP Native MAC Layer Lightweight Filter-0000

Name: wlan13
Display name: Microsoft Wi-Fi Direct Virtual Adapter #2-Native Wifi Filter Driver-0000

Name: wlan14
Display name: Microsoft Wi-Fi Direct Virtual Adapter #2-QoS Packet Scheduler-0000

Name: wlan15
Display name: Microsoft Wi-Fi Direct Virtual Adapter #2-WFP 802.3 MAC Layer Lightweight Filter-0000

PS D:\Network Programming\lab1>
```

