

Java - SAGAR/src/InetDemo.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer InetDemo.java Task List
InetDemo.java
1
2 import java.io.*;
3 import java.net.*;
4
5 public class InetDemo {
6     public static void main(String[] args) {
7         try {
8             InetAddress ip = InetAddress.getByName("www.youtube.com");
9             System.out.println("Host Name: " + ip.getHostName());
10            System.out.println("IP Address: " + ip.getHostAddress());
11        } catch(Exception e) {
12            System.out.println(e);
13        }
14    }
15}
16
17
```

Problems Declaration Console

<terminated> InetDemo [Java Application] C:\Program Files\Java\jre1.8.0_333\bin\javaw.exe (09-Apr-2025, 3:37:58 PM)

Host Name: www.youtube.com
IP Address: 142.251.42.110

Writable Smart Insert 8:64

Java - SAGAR/src/InetDemo2.java - Eclipse

```
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer InetDemo.java InetDemo2.java Task List
InetDemo2.java
1 import java.net.*;
2
3 public class InetDemo2 {
4     public static void main(String[] args) throws UnknownHostException {
5
6         // 1. Get and print InetAddress of Local Host
7         InetAddress localAddress = InetAddress.getLocalHost();
8         System.out.println("InetAddress of Local Host: " + localAddress);
9
10        // 2. Get and print InetAddress of a Named Host (using IP address)
11        InetAddress namedHost = InetAddress.getByName("45.22.30.39");
12        System.out.println("InetAddress of Named Host: " + namedHost);
13
14        // 3. Get and print ALL InetAddresss of a Named Host
15        InetAddress[] allAddresses = InetAddress.getAllByName("172.19.25.29");
16        for (InetAddress addr : allAddresses) {
17            System.out.println("ALL InetAddresss of Named Host: " + addr);
18        }
19
20        // 4. Get and print InetAddress from a raw IP address (byte array)
21        byte[] ip1 = { 128, 0, 1 };
22        InetAddress fromBytes = InetAddress.getByAddress(ip1);
23        System.out.println("InetAddress of Host from byte array: " + fromBytes);
24
25        // 5. Get and print InetAddress from raw IP with custom hostname
26        byte[] ip2 = { 105, 22, (byte)223, (byte)186 };
27        InetAddress fromBytesWithHostname = InetAddress.getByAddress("gfg.com", ip2);
28        System.out.println("InetAddress with hostname and IP: " + fromBytesWithHostname);
29    }
30}
```

Problems Declaration Console

<terminated> InetDemo2 [Java Application] C:\Program Files\Java\jre1.8.0_333\bin\javaw.exe (09-Apr-2025, 3:39:14 PM)

InetAddress of Local Host: DESKTOP-U6G68UH/192.168.3.2
InetAddress of Named Host: /45.22.30.39
ALL InetAddresss of Named Host: /172.19.25.29
InetAddress of Host from byte array: /125.0.0.1
InetAddress with hostname and IP: gfg.com/105.22.223.186

Writable Smart Insert 31:1