Experiment no 06

Code:

```java
import java.net.*;

class scalar {
    public static void main(String[] args)
        throws UnknownHostException
    {
        // To get and print the InetAddress of the Local Host
        InetAddress address1 = InetAddress.getLocalHost();
        System.out.println("InetAddress of Local Host : "
                    + address1);

        // To get and print the InetAddress of the Named Host
        InetAddress address2
            = InetAddress.getByName("45.22.30.39");
        System.out.println("InetAddress of Named Host : "
                    + address2);

        // To get and print ALL InetAddresses of Named Host
        InetAddress address3[]
            = InetAddress.getAllByName("172.19.25.29");
        for (int i = 0; i < address3.length; i++) {
            System.out.println(
                "ALL InetAddresses of Named Host : "
                + address3[i]);
        }

        // To get and print InetAddresses of Host with specified IP Address
        byte IPAddress[] = { 125, 0, 0, 1 };
        InetAddress address4
            = InetAddress.getByAddress(IPAddress);
        System.out.println(
            "InetAddresses of Host with specified IP Address : "
            + address4);

        // To get and print InetAddresses of Host with specified IP Address and hostname
        byte[] IPAddress2
            = { 105, 22, (byte)223, (byte)186 };
        InetAddress address5 = InetAddress.getByAddress(
            "www.scaler.com/topics/", IPAddress2);
        System.out.println(
            "InetAddresses of Host with specified IP Address and hostname : "
            + address5);
    }
}
```

```
/*
Output

InetAddress of Local Host : localhost/127.0.0.1
InetAddress of Named Host: /45.22.30.39
ALL InetAddresses of Named Host: /172.19.25.29
InetAddresses of Host with specified IP Address : /125.0.0.1
InetAddresses of Host with specified IP Address and hostname:
https://www.scaler.com/topics//105.22.223.186


*/
```

Output:

PS D:\College_AJP> cd "d:\College_AJP\Experments\" ; if ($?) { javac scalar.java } ; if ($?) {
java scalar }
InetAddress of Local Host : DESKTOP-5U2849B/172.30.240.1
InetAddress of Named Host : /45.22.30.39
ALL InetAddresses of Named Host : /172.19.25.29
InetAddresses of Host with specified IP Address : /125.0.0.1
InetAddresses of Host with specified IP Address and hostname :
www.scaler.com/topics//105.22.223.186