Experiment No. 6

1)Program:

//import java.io.\*;

import java.net.\*;

import java.util.\*;

class Inet {

public static void main(String[] args) throws UnknownHostException

{

// To get and print InetAddress of Local Host

InetAddress address1 = InetAddress.getLocalHost();

System.out.println("InetAddress of Local Host : "+ address1);

System.out.println(" Host name is : "+ address1.getHostName());

System.out.println(" IP Address is : "+ address1.getHostAddress());

// To get and print InetAddress of Named Host

InetAddress address2 = InetAddress.getByName("www.aissmsioit.org");

System.out.println("InetAddress of Named Host : "+ address2);

// To get and print ALL InetAddresses of Named Host

InetAddress address3[]= InetAddress.getAllByName("www.google.com");

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[] = { 127,0,0,1};

InetAddress address4= InetAddress.getByAddress(IPAddress);

System.out.println("InetAddresses of Host with specified IP Address : "+ address4);

}

}

Output:

InetAddress of Local Host : LAPTOP-L3OGV1A8/192.168.137.1

Host name is : LAPTOP-L3OGV1A8

IP Address is : 192.168.199.5

InetAddress of Named Host : www.aissmsioit.org/192.168.199.5

ALL InetAddresses of Named Host : www.google.com/142.250.183.132

ALL InetAddresses of Named Host : www.google.com/2404:6800:4009:824:0:0:0:2004

InetAddresses of Host with specified IP Address : /127.0.0.1