Practical 10(Inet)

**import** java.net.\*;

**import** java.util.\*;

**public** **class** inetAddressSample {

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

Scanner obj = **new** Scanner(System.***in***);

**int** ch, c;

**do** {

System.***out***.println("Enter\n1 : Local Host Address\n2 : Address by Host name\n3 : LoopBack address\n4 : Compare two address\n5 : Check Local Address\n6 : Multicast Global Scope\n7 : Multicast Link Local\n8 : Multicast Node Local\n9 : Multicast Organization Local");

c = obj.nextInt();

System.***out***.println();

**switch** (c) {

**case** 1:

// to get localhost address of the system

InetAddress localHostAddress = InetAddress.*getLocalHost*();

System.***out***.println("LocalHost address is : " + localHostAddress);

**break**;

**case** 2:

// to get address by Host Name

InetAddress a = InetAddress.*getByName*("www.pvgcoet.ac.in");

System.***out***.println("Address of given HostName is : " + a);

**break**;

**case** 3:

// Loopback address

InetAddress b = InetAddress.*getLoopbackAddress*();

System.***out***.println("Loopback address of local host is : " + b);

**break**;

**case** 4:

// comparing address

InetAddress e = InetAddress.*getByName*("www.pvgcoet.ac.in");

InetAddress d = InetAddress.*getByName*("www.google.com");

System.***out***.println(d);

System.***out***.println(e);

**if** (e.equals(d)) {

System.***out***.println("Both are equal");

} **else** {

System.***out***.println("Not equal");

}

**break**;

**case** 5:

// Check Local Address

InetAddress addF = InetAddress.*getByName*("www.facebook.com");

System.***out***.println("local address or not:=" + addF.isAnyLocalAddress());

**break**;

**case** 6:

// Multicast Global Scope

InetAddress addC = InetAddress.*getByName*("www.ctect.com");

System.***out***.println("multicast address has global scope or not:=" + addC.isMCGlobal());

**break**;

**case** 7:

// Multicast Link Local

InetAddress addG = InetAddress.*getByName*("www.google.com");

System.***out***.println("multicast address has link scope or not:=" + addG.isMCLinkLocal());

**break**;

**case** 8:

// Multicast Node Local

InetAddress addJ = InetAddress.*getByName*("www.javatpoint.com");

System.***out***.println("multicast address has node scope or not:=" + addJ.isMCNodeLocal());

**break**;

**case** 9:

// Multicast Organization Local

InetAddress addt = InetAddress.*getByName*("www.pvgcoet.ac.in");

System.***out***.println("multicast address has organization scope or not:=" + addt.isMCOrgLocal());

**break**;

}

System.***out***.println("\nEnter 10 to continue : ");

ch = obj.nextInt();

System.***out***.println();

} **while** (ch == 10);

}

}