

```

package Test;

import java.net.InetAddress;

import java.net.UnknownHostException;

public class DemoSix {

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

        // 1) public static InetAddress getLocalHost() throws UnknownHostException
        InetAddress ip1 = InetAddress.getLocalHost();

        System.out.println("1. Address of local host:=" + ip1);

        // 2) public static InetAddress getByName() throws UnknownHostException
        InetAddress ip2 = InetAddress.getByName("www.pict.edu");

        System.out.println("2. Address of string host:=" + ip2);

        // 3) public static InetAddress getByAddress(byte[] address) throws
UnknownHostException

        byte[] ipaddress = {10, 10, 12, 80};

        InetAddress ip3 = InetAddress.getByAddress(ipaddress);

        System.out.println("3. Host name for ip address:=" + ip3);

        // 4) public static InetAddress [] getAllByName(String host) throws
UnknownHostException

        InetAddress[] ip4 = InetAddress.getAllByName("www.pict.edu");

        for (InetAddress inetAddress : ip4)

        {

            System.out.println("4. address of url=" + inetAddress);

        }

        // 5) public static InetAddress getByAddress(String host,byte []address)throws
// UnknownHostException

        InetAddress ip5 = InetAddress.getByAddress("pict.edu", ipaddress);

        System.out.println("5. Inetaddress of host with ip address and hostname=" +ip5);

        //Instance Method

        System.out.println("6. Host name of inetaddress=" + ip2.getHostName());

        System.out.println("7. Address of host hold by inetaddress object=" +
ip2.getHostAddress());
    }
}

```

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System.out.println("8. Address equals or not=" + ip2.equals(ip1));  
System.out.println("9. to sting convert="+ ip2);  
System.out.println("10. it is multicast address : "+ip2.isMulticastAddress());  
}  
}
```