**public interface Internet**

{

    public void connectTo(String serverhost) throws Exception;

}

**public class RealInternet implements Internet**

{

    @Override

    public void connectTo(String serverhost)

    {

        System.out.println("Connecting to "+ serverhost);

    }

}

**public class ProxyInternet implements Internet**

{

    private Internet internet = new RealInternet();

    private static List<String> bannedSites;

    static

    {

        bannedSites = new ArrayList<String>();

        bannedSites.add("abc.com");

        bannedSites.add("def.com");

        bannedSites.add("ijk.com");

        bannedSites.add("lnm.com");

    }

    @Override

    public void connectTo(String serverhost) throws Exception

    {

        if(bannedSites.contains(serverhost.toLowerCase()))

        {

            throw new Exception("Access Denied");

        }

        internet.connectTo(serverhost);

    }

}

**public class Client**

{

    public static void main (String[] args)

    {

        Internet internet = new ProxyInternet();

        try

        {

            internet.connectTo("geeksforgeeks.org");

            internet.connectTo("abc.com");

        }

        catch (Exception e)

        {

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

        }

    }

}

Connecting to geeksforgeeks.org

Access Denied