CN Assignment 1

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1 Ping Result 1

```
kushagra@kushagra-PC:~$ ping 192.168.0.4
PING 192.168.0.4 (192.168.0.4) 56(84) bytes of data.
64 bytes from 192.168.0.4: icmp_seq=1 ttl=64 time=39.1 ms
64 bytes from 192.168.0.4: icmp_seq=2 ttl=64 time=61.7 ms
64 bytes from 192.168.0.4: icmp_seq=3 ttl=64 time=83.9 ms
64 bytes from 192.168.0.4: icmp_seq=4 ttl=64 time=1001 ms
64 bytes from 192.168.0.4: icmp_seq=5 ttl=64 time=27.7 ms
64 bytes from 192.168.0.4: icmp_seq=6 ttl=64 time=49.7 ms
64 bytes from 192.168.0.4: icmp_seq=7 ttl=64 time=72.3 ms
^C
--- 192.168.0.4 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6008ms
rtt min/avg/max/mdev = 27.705/190.936/1001.864/331.534 ms, pipe 2
```

Here, the above mentioned IP address is the dynamic address given to the PC at my home. I had pinged it to see whether no firewall is blocking packets to and fro from this system.

2 Ping Result 2

```
kushagra@kushagra-PC:~$ ping google.com
PING google.com (172.217.31.14) 56(84) bytes of data.
64 bytes from del03s01-in-f14.1e100.net (172.217.31.14): icmp_seq=1 ttl=55 time=
13.7 ms
64 bytes from del03s01-in-f14.1e100.net (172.217.31.14): icmp_seq=2 ttl=55 time=
11.5 ms
64 bytes from del03s01-in-f14.1e100.net (172.217.31.14): icmp_seq=3 ttl=55 time=
21.5 ms
64 bytes from del03s01-in-f14.1e100.net (172.217.31.14): icmp_seq=4 ttl=55 time=
12.1 ms
^C
--- google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 7042ms
rtt min/avg/max/mdev = 11.558/14.752/21.515/3.984 ms
```

We can see the result when we ping to google.com. We see that the packets are being transferred without any loss.

3 Telnet Result 1

```
kushagra@kushagra-PC:~$ telnet 192.168.0.4
Trying 192.168.0.4...
Connected to 192.168.0.4.
Escape character is '^]'.

Darwin/BSD (Mykus-iMac.local) (ttys001)

login: myku
Password:
Last login: Fri Aug  4 22:15:14 on ttys001
Mykus-iMac:~ Myku$ cd Desktop/
Mykus-iMac:Desktop Myku$ cd competitive/
Mykus-iMac:competitive Myku$ ls
CP1             atcoder         codeforces      practice
Mykus-iMac:competitive Myku$ 
```

Port: Default port i.e. 23

Here, we have logged into another PC on the same network since the login and password was known.

Commands used: Since we access the bash shell, we can use any bash commands. I have used cd and ls.

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4   Telnet Result 2

```
GET /profile/shagakur HTTP/1.0
HOST: codeforces.com

HTTP/1.1 200 OK
Server: nginx/1.10.2
Date: Fri, 04 Aug 2017 16:53:14 GMT
Content-Type: text/html;charset=UTF-8
Connection: close
Vary: Accept-Encoding
Set-Cookie: JSESSIONID=FCF93C829CF4E16AEA954297EBA0D1C3-n1; Path=/; HttpOnly
Cache-Control: private,no-cache,no-store,max-age=0,must-revalidate
Expires: -1
Pragma: no-cache
Set-Cookie: 39ce7=CFwFyWDF; Expires=Wed, 16-Aug-2017 06:39:54 GMT; Path=/
Strict-Transport-Security: max-age=63072000
X-Content-Type-Options: nosniff


<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html>
<head>
    <meta http-equiv="content-type" content="text/html; charset=UTF-8">
    <meta name="X-Csrf-Token" content="c0cbc0a7f9b116df5431a42b023083d9"/>
    <meta id="viewport" name="viewport" content="width=device-width, initial-scale=0.01"/>
    <script type="text/javascript" src="http://st.codeforces.com/s/95234/js/jquery-1.8.3.js"></script>
    <script type="application/javascript">
        window.standaloneContest = false;
        function adjustViewport() {
            var screenWidthPx = Math.min($(window).width(), window.screen.width);
            var siteWidthPx = 1100; // min width of site
            var ratio = Math.min(screenWidthPx / siteWidthPx, 1.0);
            var viewport = "width=device-width, initial-scale=" + ratio;
            $('#viewport').attr('content', viewport);
            var style = $('<style>html * { max-height: 1000000px; }</style>');
            $('html > head').append(style);
        }

        if ( /Android|webOS|iPhone|iPad|iPod|BlackBerry/i.test(navigator.userAgent) ) {
            adjustViewport();
        }
    </script>
    <meta http-equiv="pragma" content="no-cache">
    <meta http-equiv="expires" content="-1">
    <meta http-equiv="profileName" content="c4">
    <meta name="google-site-verification" content="OTd2dN5x4nS4OPknPI9JFg36fKxjqY0i1PSfFPv_J90"/>
    <meta property="fb:admins" content="100001352546622" />
    <meta property="og:image" content="http://st.codeforces.com/s/95234/images/codeforces-telegram-square.png" />
    <link rel="image_src" href="http://st.codeforces.com/s/95234/images/codeforces-telegram-square.png" />
    <meta property="og:title" content="shagakur - Codeforces"/>
    <meta property="og:description" content=""/>

    <meta property="og:site_name" content="Codeforces"/>
```

Command used: GET /profile/shagakur HTTP/1.0
HOST: codeforces.com

I sent a set request to the codeforces.com server to access shagakur's profiles.