Output:

```
C:\Users\Lenovo\RahitaShakya\np\Chapter6\src\main>java DictClient.java computer network
computer
    n 1: a machine for performing calculations automatically [syn:
         {computer}, {computing machine}, {computing device}, {data
         processor}, {electronic computer}, {information processing
         system}]
    2: an expert at calculation (or at operating calculating
       machines) [syn: {calculator}, {reckoner}, {figurer},
       {estimator}, {computer}]
network
    n 1: an interconnected system of things or people; "he owned a
         network of shops"; "retirement meant dropping out of a
         whole network of people who had been part of my life";
         "tangled in a web of cloth" [syn: {network}, {web}]
    2: (broadcasting) a communication system consisting of a group
       of broadcasting stations that all transmit the same programs;
       "the networks compete to broadcast important sports events"
    3: an open fabric of string or rope or wire woven together at
       regular intervals [syn: {net}, {network}, {mesh}, {meshing},
       {meshwork}]
    4: a system of intersecting lines or channels; "a railroad
       network"; "a network of canals"
    5: (electronics) a system of interconnected electronic
       components or circuits [syn: {network}, {electronic network}]
    v 1: communicate with and within a group; "You have to network
         if you want to get a good job"

C:\Users\Lenovo\RahitaShakya\np\Chapter6\src\main>
```

Output:

```
C:\Users\Lenovo\RahitaShakya\np\Chapter6\src\main>java WhoisClient.java

 Details of facebook.com
% IANA WHOIS server
% for more information on IANA, visit http://www.iana.org
% This query returned 1 object

refer:          whois.verisign-grs.com

domain:         COM

organisation: VeriSign Global Registry Services
address:        12061 Bluemont Way
address:        Reston VA 20190
address:        United States of America (the)

contact:        administrative
name:           Registry Customer Service
organisation: VeriSign Global Registry Services
address:        12061 Bluemont Way
address:        Reston VA 20190
address:        United States of America (the)
phone:          +1 703 925-6999
fax-no:         +1 703 948 3978
e-mail:         info@verisign-grs.com

contact:        technical
name:           Registry Customer Service
organisation: VeriSign Global Registry Services
address:        12061 Bluemont Way
address:        Reston VA 20190
address:        United States of America (the)
phone:          +1 703 925-6999
fax-no:         +1 703 948 3978
e-mail:         info@verisign-grs.com
```

```
nserver:        A.GTLD-SERVERS.NET 192.5.6.30 2001:503:a83e:0:0:0:2:30
nserver:        B.GTLD-SERVERS.NET 192.33.14.30 2001:503:231d:0:0:0:2:30
nserver:        C.GTLD-SERVERS.NET 192.26.92.30 2001:503:83eb:0:0:0:0:30
nserver:        D.GTLD-SERVERS.NET 192.31.80.30 2001:500:856e:0:0:0:0:30
nserver:        E.GTLD-SERVERS.NET 192.12.94.30 2001:502:1ca1:0:0:0:0:30
nserver:        F.GTLD-SERVERS.NET 192.35.51.30 2001:503:d414:0:0:0:0:30
nserver:        G.GTLD-SERVERS.NET 192.42.93.30 2001:503:eea3:0:0:0:0:30
nserver:        H.GTLD-SERVERS.NET 192.54.112.30 2001:502:8cc:0:0:0:0:30
nserver:        I.GTLD-SERVERS.NET 192.43.172.30 2001:503:39c1:0:0:0:0:30
nserver:        J.GTLD-SERVERS.NET 192.48.79.30 2001:502:7094:0:0:0:0:30
nserver:        K.GTLD-SERVERS.NET 192.52.178.30 2001:503:d2d:0:0:0:0:30
nserver:        L.GTLD-SERVERS.NET 192.41.162.30 2001:500:d937:0:0:0:0:30
nserver:        M.GTLD-SERVERS.NET 192.55.83.30 2001:501:b1f9:0:0:0:0:30
ds-rdata:       19718 13 2 8acbb0cd28f41250a80a491389424d341522d946b0da0c0291f2d3d771d7805a

whois:          whois.verisign-grs.com

status:         ACTIVE
remarks:        Registration information: http://www.verisigninc.com

created:        1985-01-01
changed:        2023-12-07
source:         IANA
```

Output:

```
C:\Users\Lenovo\RahitaShakya\np\Chapter6\src\main>java HalfSocket.java
HTTP/1.0 200 OK
Content-Type: text/html
ETag: "84238dfc8092e5d9c0dac8ef93371a07:1736799080.121134"
Last-Modified: Mon, 13 Jan 2025 20:11:20 GMT
Cache-Control: max-age=2923
Date: Thu, 03 Apr 2025 15:54:59 GMT
Content-Length: 1256
Connection: close
X-N: S

<!doctype html>
<html>
<head>
    <title>Example Domain</title>

    <meta charset="utf-8" />
    <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <style type="text/css">
    body {
        background-color: #f0f0f2;
        margin: 0;
        padding: 0;
        font-family: -apple-system, system-ui, BlinkMacSystemFont, "Segoe UI", "Open Sans", "Helvetica Neue", Helvetica, Arial, sans-serif;

    }
    div {
        width: 600px;
        margin: 5em auto;
        padding: 2em;
        background-color: #fdfdff;
        border-radius: 0.5em;
        box-shadow: 2px 3px 7px 2px rgba(0,0,0,0.02);
    }
    a:link, a:visited {
        color: #38488f;
        text-decoration: none;
    }
    @media (max-width: 700px) {
        div {
            margin: 0 auto;
            width: auto;
        }
    }
    </style>
</head>
```

```
<body>
<div>
    <h1>Example Domain</h1>
    <p>This domain is for use in illustrative examples in documents. You may use this
    domain in literature without prior coordination or asking for permission.</p>
    <p><a href="https://www.iana.org/domains/example">More information...</a></p>
</div>
</body>
</html>


C:\Users\Lenovo\RahitaShakya\np\Chapter6\src\main>_
```

Output:

```
C:\Users\Lenovo\RahitaShakya\np\Chapter6\src\main>java SocketInfo.java
Connected to: google.com/142.250.193.14
Port: 80
Local Port: 61806
IP of host: /192.168.1.106
Input Stream: java.net.Socket$SocketInputStream@6d2a209c
Output Stream: java.net.Socket$SocketOutputStream@7f010382
```

Output:

```
C:\Users\Lenovo\RahitaShakya\np\Chapter6\src\main>java SocketOptionsDemo.java
Connected to google.com
TCP_NODELAY: true
SO_TIMEOUT: 5000
SO_KEEPALIVE: true
SO_SNDBUF: 8192
SO_RCVBUF: 8192
SO_LINGER: 5
```