```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS D:\BCA 6th sem\Networking_Lab\Q.N.1> java .\InetAddressth.java
10.250.252.146
DESKTOP-MNBG63D
PS D:\BCA 6th sem\Networking_Lab\Q.N.1>
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.2\InterfaceChar.java
Interface: ethernet_0
MAC: Not Available
Interface: ethernet_1
MAC: 00:15:5D:D6:55:3E
Interface: ethernet_2
MAC: 00:15:5D:D6:55:3E
Interface: ethernet_3
MAC: 00:15:5D:D6:55:3E
Interface: ethernet_4
MAC: Not Available
Interface: ethernet_5
MAC: Not Available
Interface: ethernet_6
MAC: Not Available
Interface: ethernet_7
MAC: Not Available
Interface: ethernet_8
MAC: Not Available
Interface: ethernet_9
MAC: Not Available
Interface: ethernet_32768
MAC: Not Available
Interface: ethernet_32769
MAC: Not Available
Interface: ethernet_32770
MAC: 00:15:5D:D6:55:3E
```

```
                               System out println("Ref : " + url.getRef())
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.3\HTTPHeader.java
Protocol : https
Host : www.example.com
Port : -1
File :
Authority : www.example.com
Query : null
DefaultPort : 443
Ref : null
URI : https://www.example.com
String Conversion : https://www.example.com
2025-05-13
2025-01-14
text/html
Content-Length: 1256
PS D:\BCA 6th sem\Networking_Lab>
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.4\WebPageDounload.java
First few lines of webpage content:
<!doctype html>
<html>
<head>
    <title>Example Domain</title>

PS D:\BCA 6th sem\Networking_Lab>
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.5\Server.java
Server is listening on port 80
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.5\Client.java
Connected to the server.
Server says: Current time is: 06:44:58
PS D:\BCA 6th sem\Networking_Lab>
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

  PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.6\SocketInfo.java geogle.com
  Connected to :geogle.com/78.41.204.29 on port 80 from port 54174 of socket/10.250.252.146
  PS D:\BCA 6th sem\Networking_Lab>
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

  PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.7\MyServer.java
  Daytime Server started on port 3000
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

  PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.7\MyClient.java
  Type messages to send to the server (type 'stop' to quit):
  Asia/Kathmandu
  Server: Current time in Asia/Kathmandu: 2025-05-19 21:09:36 GMT+05:45
  stop
  PS D:\BCA 6th sem\Networking_Lab>
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS                                              powershell

  PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.8\SecureHttpsClient.java
  HTTP/1.1 200 OK
  Date: Mon, 19 May 2025 14:04:59 GMT
  Expires: -1
  Cache-Control: private, max-age=0
  Content-Type: text/html; charset=ISO-8859-1
  Content-Security-Policy-Report-Only: object-src 'none';base-uri 'self';script-src 'nonce-w5CvZXWMerHXLlTKXS5lKw' 'strict-dynamic' 'report-sample' 'unsafe-eval' 'unsafe
  -inline' https: http:;report-uri https://csp.withgoogle.com/csp/gws/other-hp
  Accept-CH: Sec-CH-Prefers-Color-Scheme
  P3P: CP="This is not a P3P policy! See g.co/p3phelp for more info."
  Server: gws
  X-XSS-Protection: 0
  X-Frame-Options: SAMEORIGIN
  Set-Cookie: AEC=AVcja2eVVaLol6avZTUAcMdOIG2vRWQQ9yr4CkPDasf0sHXmNlDGg_MG0lU; expires=Sat, 15-Nov-2025 14:04:59 GMT; path=/; domain=.google.com; Secure; HttpOnly; SameS
  ite=lax
  Set-Cookie: NID=524=G0TcRahv6IxcuSJQFayFJVjpu44f_QHoLph71TW09tdVs5lYXoxohmadOx_-wFv4s0IraH95HBsvU1gpql_t3jQO6O8trwCQzxDxCZvRfEGgrL_L1QdBk7yzGmqDlIRQk8k4BrUVfUseYtM7EvC
  8oaTzqqf3CCp6w9B8AF1gPHdAqy3kRh0YM-CiymB1BJxg0ObW-84RREA9olvnCso; expires=Tue, 18-Nov-2025 14:04:59 GMT; path=/; domain=.google.com; HttpOnly
  Alt-Svc: h3=":443"; ma=2592000,h3-29=":443"; ma=2592000
  Accept-Ranges: none
  Vary: Accept-Encoding
  Connection: close
  Transfer-Encoding: chunked

  4e97
  <!doctype html><html itemscope="" itemtype="http://schema.org/WebPage" lang="ne"><head><meta content="text/html; charset=UTF-8" http-equiv="Content-Type"><meta content
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

  PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.9\UDPServer.java
  UDP Daytime Server started on port 3000
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

  PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.9\UDPClient.java
  Enter timezone (e.g., Asia/Kathmandu or type 'exit' to quit): Asia/Kathmandu
  Server: Time in Asia/Kathmandu: 2025-05-19 20:06:23 GMT+05:45
  Enter timezone (e.g., Asia/Kathmandu or type 'exit' to quit): exit
  PS D:\BCA 6th sem\Networking_Lab>
```

```
PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.10\DatagramPacketSetGet.java
Data: Data
Address: localhost/127.0.0.1
Port: 3000
Updated Data: Data
Updated Port: 4000
PS D:\BCA 6th sem\Networking_Lab>
```

```
PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.11\DatagramSocketServer.java
UDP Server started on port 3000
```

```
PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.11\DatagramSocketClient.java
Enter message for server (or 'exit' to quit): Hey! Are you Listening
Server response: Server got: Hey! Are you Listening
Enter message for server (or 'exit' to quit): exit
PS D:\BCA 6th sem\Networking_Lab>
```

```
PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.12\RMIServer.java
Server is ready.
```

```
PS D:\BCA 6th sem\Networking_Lab> java .\Q.N.12\RMIClient.java
Response from server: Hello from the remote object!
Response from server: Hi from the remote object!
Response from server: The sum of numbers are: 30
PS D:\BCA 6th sem\Networking_Lab>
```