```
cmd                                         ✕   +   ⌄

C:\Users\DEBAJIT>arp -a

Interface: 192.168.43.195 --- 0xf
  Internet Address      Physical Address      Type
  192.168.43.1          36-e9-11-aa-bc-21     dynamic
  192.168.43.255        ff-ff-ff-ff-ff-ff     static
  224.0.0.22            01-00-5e-00-00-16     static
  224.0.0.251           01-00-5e-00-00-fb     static
  224.0.0.252           01-00-5e-00-00-fc     static
  224.77.77.77          01-00-5e-4d-4d-4d     static
  239.255.255.250       01-00-5e-7f-ff-fa     static
  255.255.255.255       ff-ff-ff-ff-ff-ff     static
```
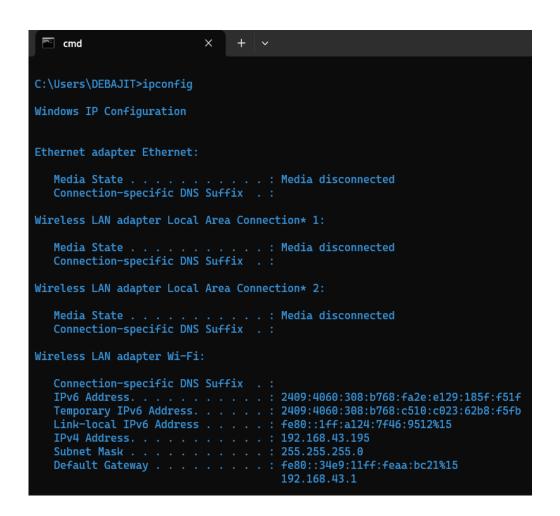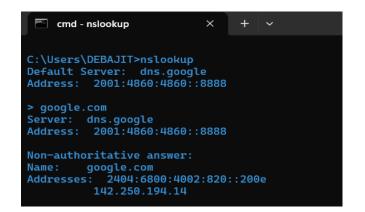
```
cmd                                         ✕   +   ⌄

C:\Users\DEBAJIT>hostname
LAPTOP-LQH7UM65

C:\Users\DEBAJIT>
```

```
cmd                                         ✕   +   ⌄

C:\Users\DEBAJIT>ipconfig

Windows IP Configuration


Ethernet adapter Ethernet:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 1:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   IPv6 Address. . . . . . . . . . . : 2409:4060:308:b768:fa2e:e129:185f:f51f
   Temporary IPv6 Address. . . . . . : 2409:4060:308:b768:c510:c023:62b8:f5fb
   Link-local IPv6 Address . . . . . : fe80::1ff:a124:7f46:9512%15
   IPv4 Address. . . . . . . . . . . : 192.168.43.195
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : fe80::34e9:11ff:feaa:bc21%15
                                       192.168.43.1
```

```
cmd - nslookup                              ✕   +   ⌄

C:\Users\DEBAJIT>nslookup
Default Server:  dns.google
Address:  2001:4860:4860::8888

> google.com
Server:  dns.google
Address:  2001:4860:4860::8888

Non-authoritative answer:
Name:    google.com
Addresses:  2404:6800:4002:820::200e
            142.250.194.14
```

```
cmd                                         ✕   +   ⌄

C:\Users\DEBAJIT>ping google.com

Pinging google.com [2404:6800:4002:82c::200e] with 32 bytes of data:
Reply from 2404:6800:4002:82c::200e: time=74ms
Reply from 2404:6800:4002:82c::200e: time=79ms
Reply from 2404:6800:4002:82c::200e: time=77ms
Reply from 2404:6800:4002:82c::200e: time=57ms

Ping statistics for 2404:6800:4002:82c::200e:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 57ms, Maximum = 79ms, Average = 71ms
```

```
● PS C:\Users\DEBAJIT\Documents\GitHub\cn-lab-sem5> cd "c:\Users\DEBAJIT\Docume
  nts\GitHub\cn-lab-sem5\" ; if ($?) { g++ bitstuff.cpp -o bitstuff } ; if ($?)
  { .\bitstuff }

  Enter the array (0s and 1s):
  1 1 1 1 1 1 0 0 1 0

  Entered Array : 1111110010
  After bit-stuffing: 11111010010
  After bit-destuffing: 1111110010

○ PS C:\Users\DEBAJIT\Documents\GitHub\cn-lab-sem5>
```

```
PS C:\Users\DEBAJIT\Documents\GitHub\cn-lab-sem5> cd "c:\Users\DEBAJIT\Docume
nts\GitHub\cn-lab-sem5\" ; if ($?) { g++ ip.cpp -o ip } ; if ($?) { .\ip }

○ Enter The IP address : 192 168 123 132

  IP ADDRESS : 192.168.123.132

  The IP address is in : Class C

PS C:\Users\DEBAJIT\Documents\GitHub\cn-lab-sem5>
```