1. **Screenshot.**

```
Command Prompt                    ×    +  ∨

Microsoft Windows [Version 10.0.22631.3737]
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C:\Users\ASUS VivoBook>ipconfig

Windows IP Configuration


Ethernet adapter Ethernet:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::c74c:cbb4:8c2e:68d%18
   IPv4 Address. . . . . . . . . . . : 192.168.56.1
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . :

Wireless LAN adapter Local Area Connection* 1:

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

Wireless LAN adapter Local Area Connection* 10:

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

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . : worldlink.com.np
   IPv6 Address. . . . . . . . . . . : 2400:1a00:b1e0:e42c::2
   IPv6 Address. . . . . . . . . . . : 2400:1a00:b1e0:e42c:65f7:4bc3:7f3d:51f9
   Temporary IPv6 Address. . . . . . : 2400:1a00:b1e0:e42c:3581:c9d1:179b:feed
   Link-local IPv6 Address . . . . . : fe80::b0ae:f4fc:5e92:e0c3%10
   IPv4 Address. . . . . . . . . . . : 192.168.10.72
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : fe80::1%10
                                       192.168.10.254

Ethernet adapter Bluetooth Network Connection:

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

C:\Users\ASUS VivoBook>|
```

2. **IP address is** IPv4 address……… 192.168.56.1
3. **Subnet mask** ………… 255.255.255.0
4. **Network address**

   IP address: 11000000.10101000.00111000.00000001
   Subnet mask: 11111111.11111111.11111111.00000000
   (And) : 11000000.10101000.00111000.00000000
   Network address----------------- 192.168.56.0

5. **Nodes that my network can support:**

   Here, subnet mask : 255.255.255.0 (i.e. /24)

Total nodes: $2^{(32-24)}=2^8=256$

2 nodes are reserved for network address and broadcast address.

Usable nodes = 256-2 = 254