

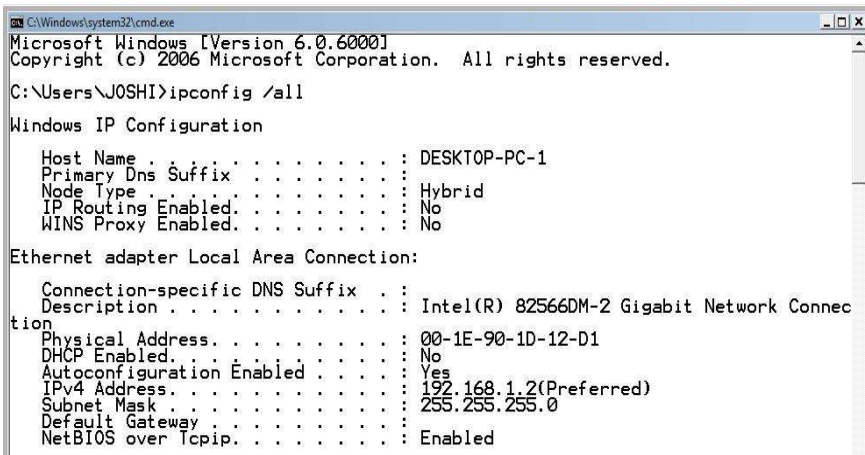
## **IPCONFIG AND TRACEROUTE COMMAND**

### ***Desktop PC name, Ethernet (MAC Address) & IP Address & Using of Trace route command***

1. Click on **Start, Programs, Accessories, Command Prompt**  
(Or)
2. Click on **Start, Run** and type **cmd** in the Run dialog box and click on **O.K**
3. In the Command Prompt window, type

*C :> ipconfig /all*

The Command prompt window will be open as shown below.



```

C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.0.6000]
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C:\Users\J0SHI>ipconfig /all

Windows IP Configuration

Host Name . . . . . : DESKTOP-PC-1
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . :
Description . . . . . : Intel(R) 82566DM-2 Gigabit Network Connec
tion
Physical Address. . . . . : 00-1E-90-1D-12-D1
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
IPv4 Address. . . . . : 192.168.1.2(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :
NetBIOS over Tcpip. . . . . : Enabled
  
```

2. In the command Prompt, if you give

*C :> ipconfig*

The static IP configuration of IP Address, Subnetmask and Default gateway only will be displayed.

3. Traceroute Command:

This command is used to find the route of the packet travels to the destination end. It shows the routers and time taken of the packet when crosses each routers upto the destination.

In command Prompt, enter

***C:\>tracert 10.5.2.32***

***Tracing route to WIN-RRJZVWA1KG9 [10.5.2.32]  
over a maximum of 30 hops:***

***1 <1 ms <1 ms <1 ms 10.187.125.1***

***2 8 ms 8 ms 11 ms 10.187.252.1***

***3 8 ms 8 ms 8 ms WIN-RRJZVWA1KG9 [10.5.2.32]***

***Trace complete.***