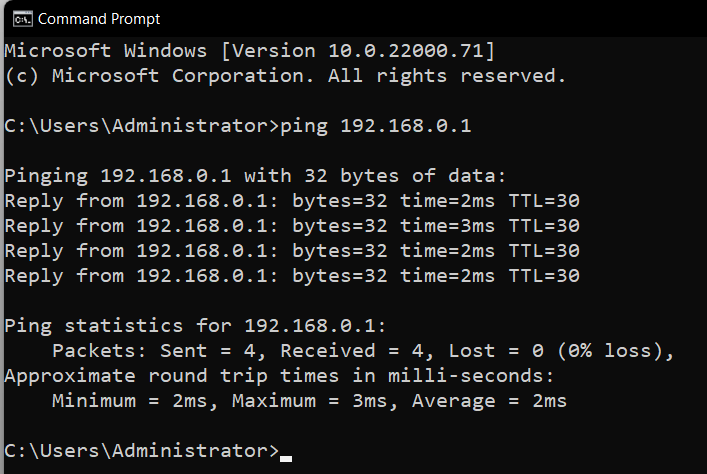
**19CSE301 - COMPUTER NETWORKS**

**Lab Assignment**

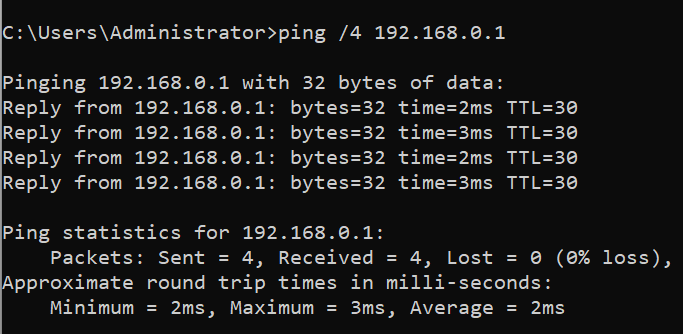
**Networking Commands**

* **R.Abhinav**
* **CB.EN.U4CSE19453**

**1.ping:**

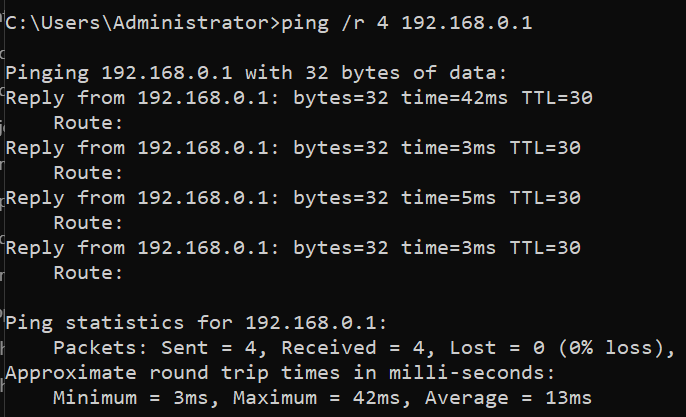
****

**(i) ping /4 192.168.0.1 :**

****

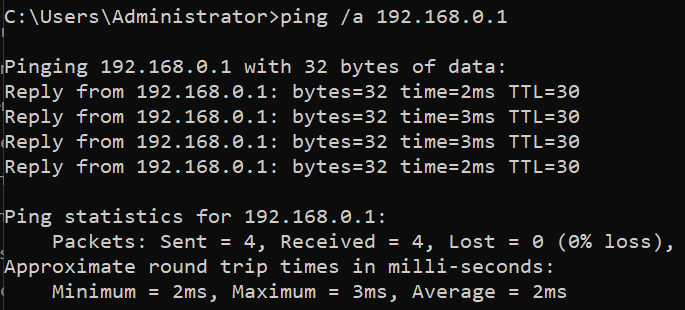
**(ii) ping /r 192.168.0.1 :**

To ping the destination 192.168.0.1 and record the route for 4 hops, type:

****

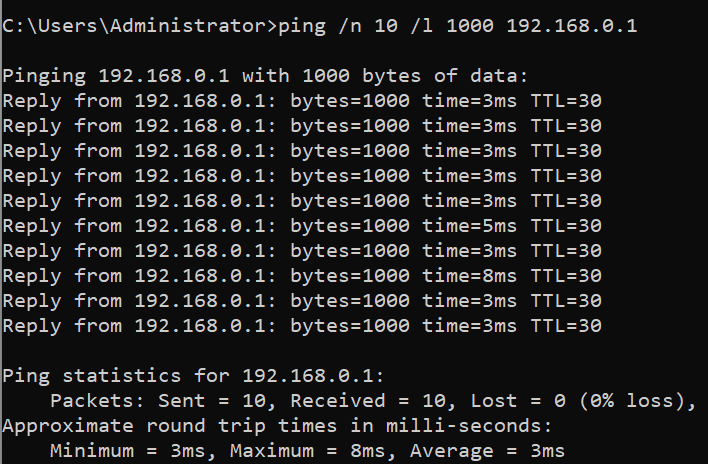
**(iii)** **ping /a :**

To ping the destination 192.168.0.1 and resolve 192.168.0.1 to its host name, type:

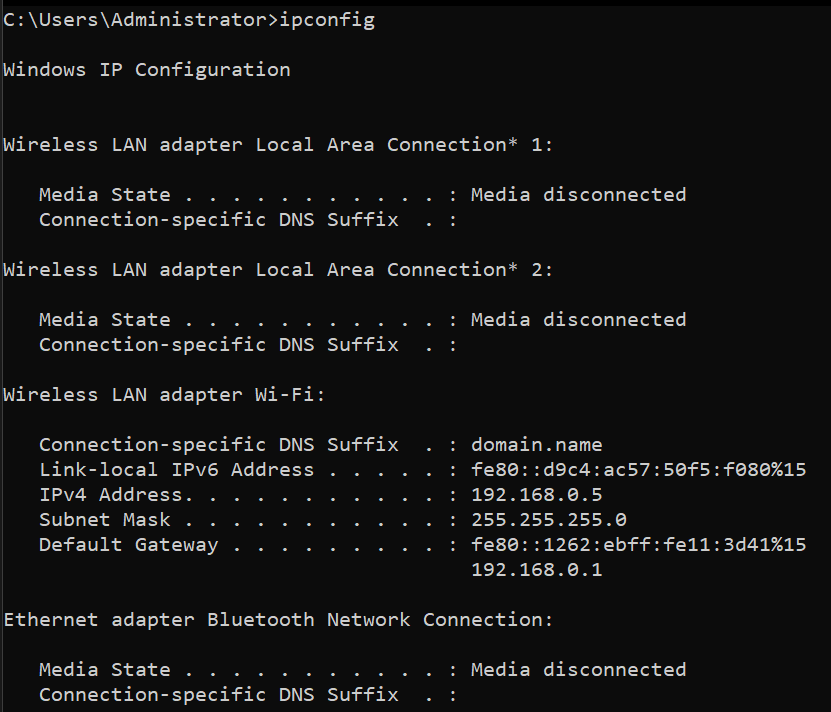
****

**(iv)** **ping /n 10 /l 1000 192.168.0.1**

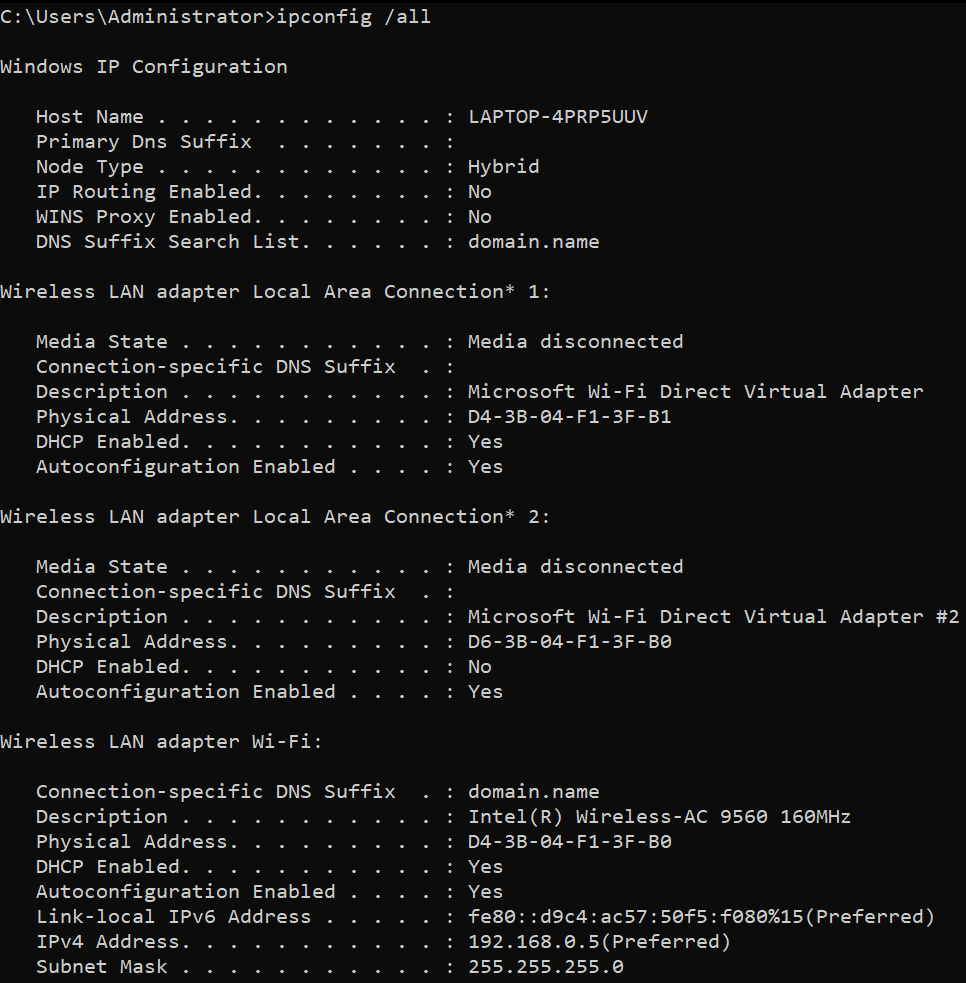
To ping the destination 192.168.0.1with 10 echo Request messages, each of which has a Data field of 1000 bytes, type:

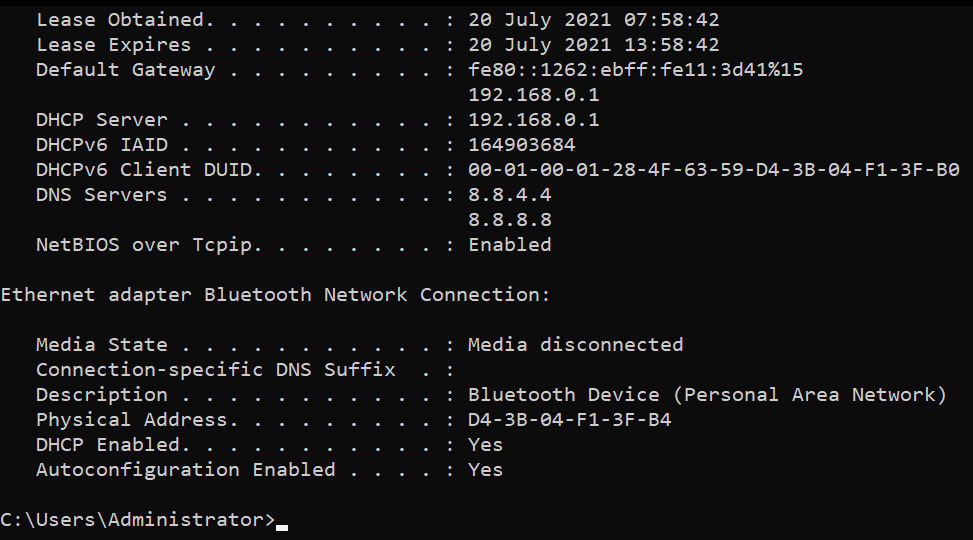
****

**2.) ipconfig:**

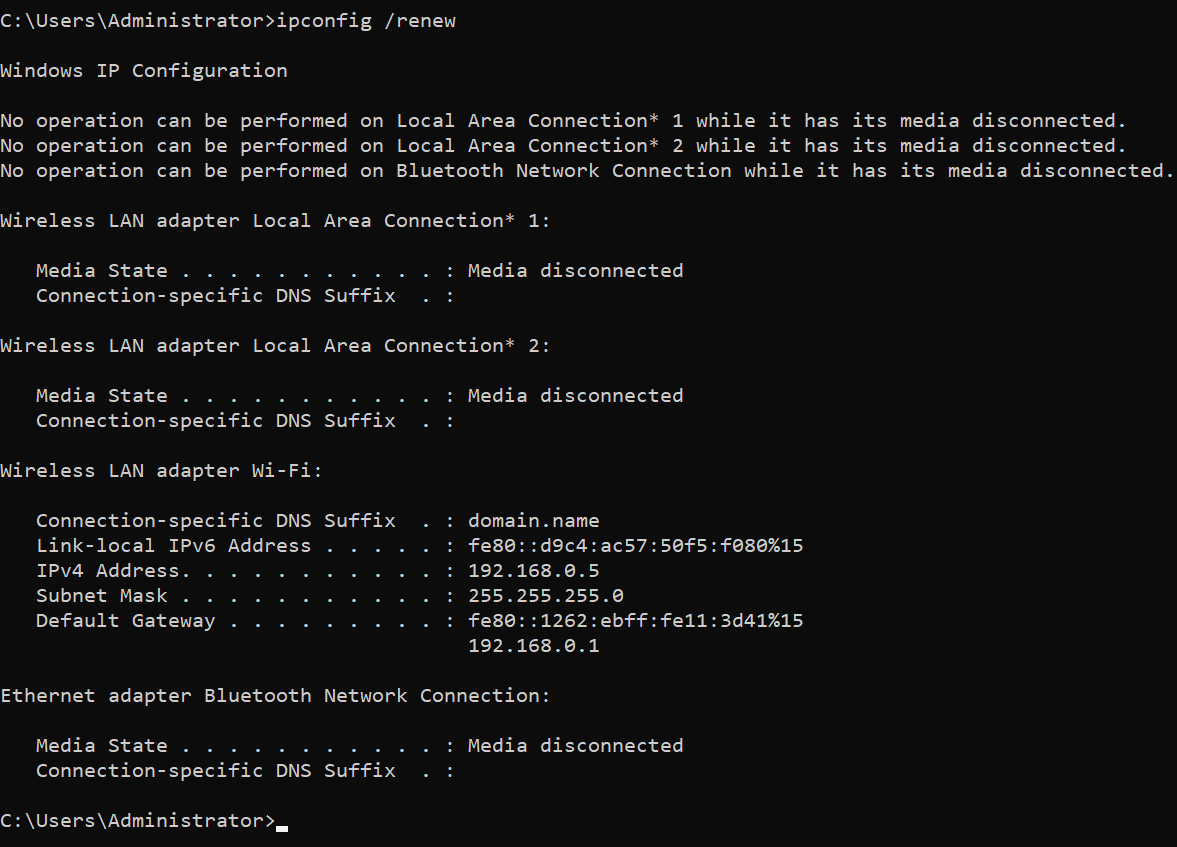
****

**(i) ipconfig /all :**

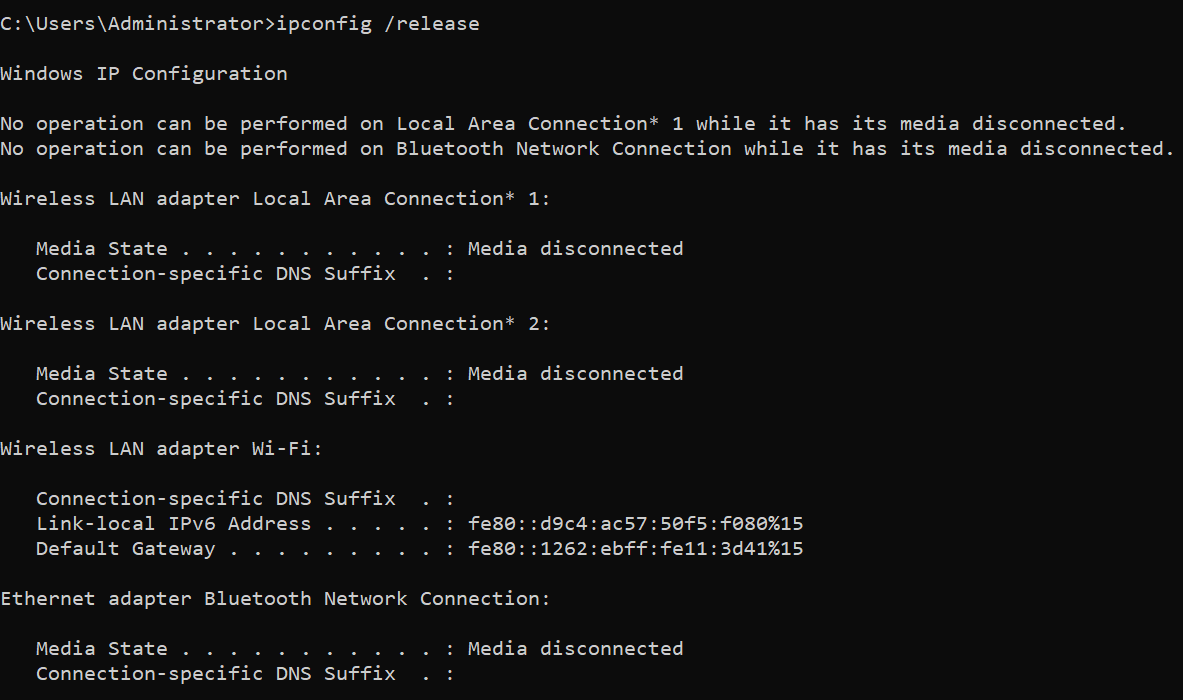
****

****

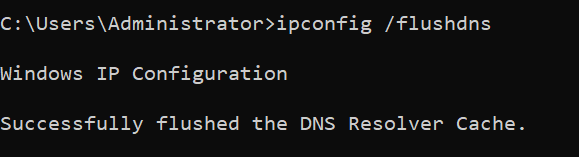
**(ii) ipconfig /renew :**

****

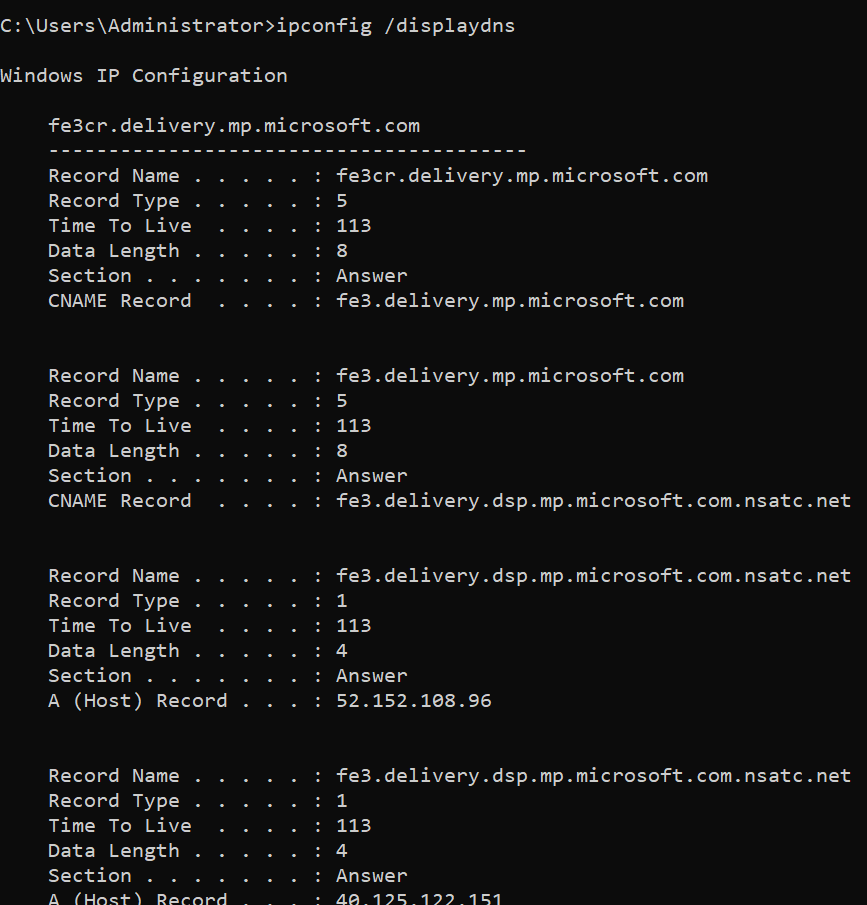
**(iii) ipconfig /release :**

****

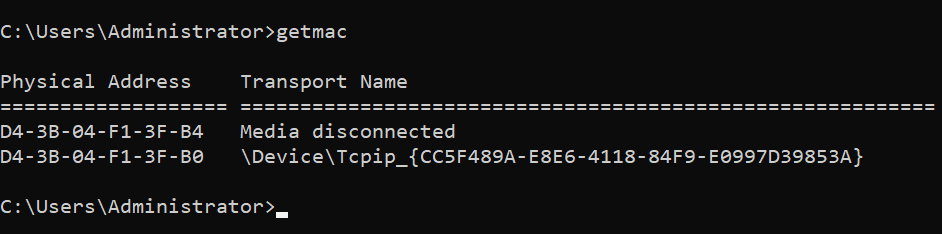
**(iv) ipconfig /flushdns:**

****

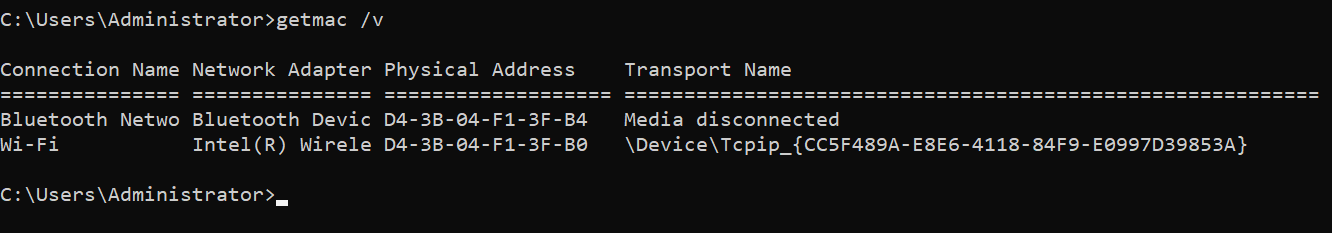
**(v) ipconfig /displaydns :**

****

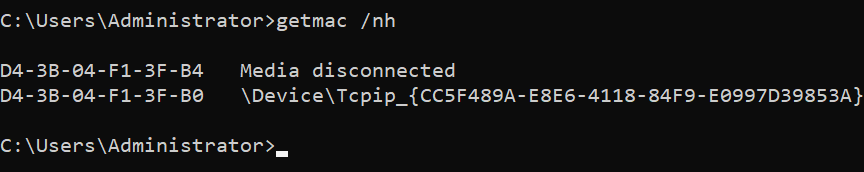
**3) getmac :**

****

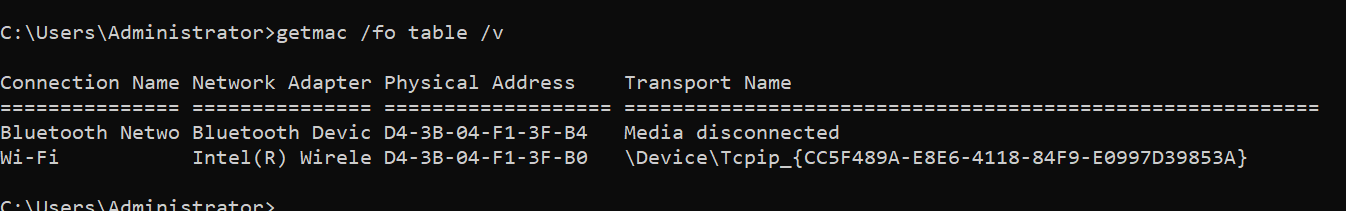
**(i) getmac /v :**

****

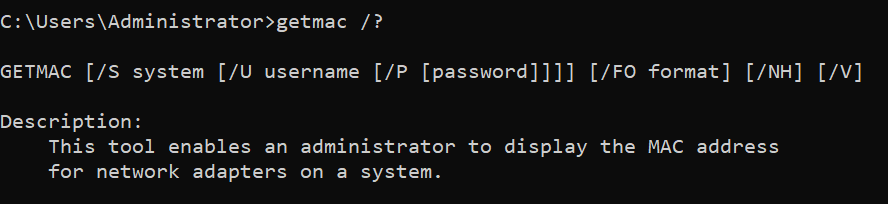
**(ii) getmac/nh :**

****

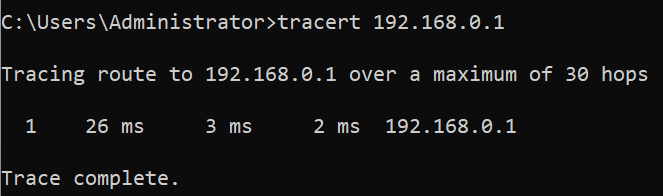
**(iii) getmac /fo table /v**

****

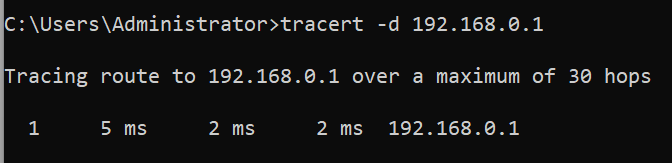
**(iv) getmac /? :** help

****

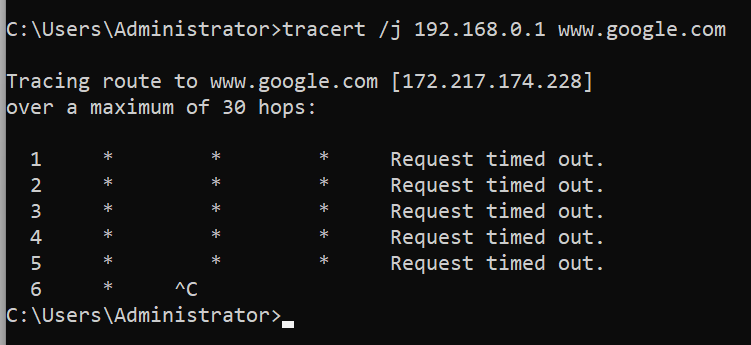
**4) tracert :**

****

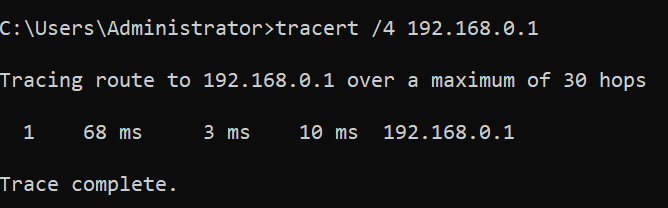
1. **tracert -d addr :**

****

1. **tracert /j :**

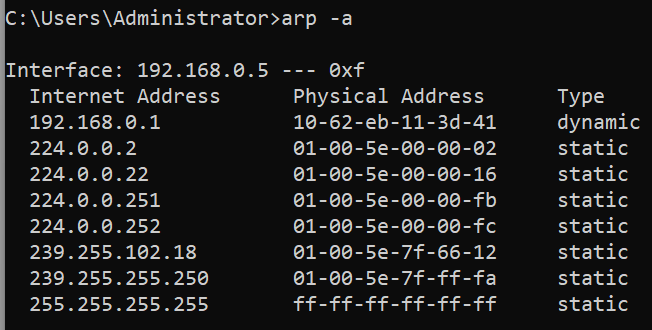
****

**(iii) tracert /4 [addr] :**

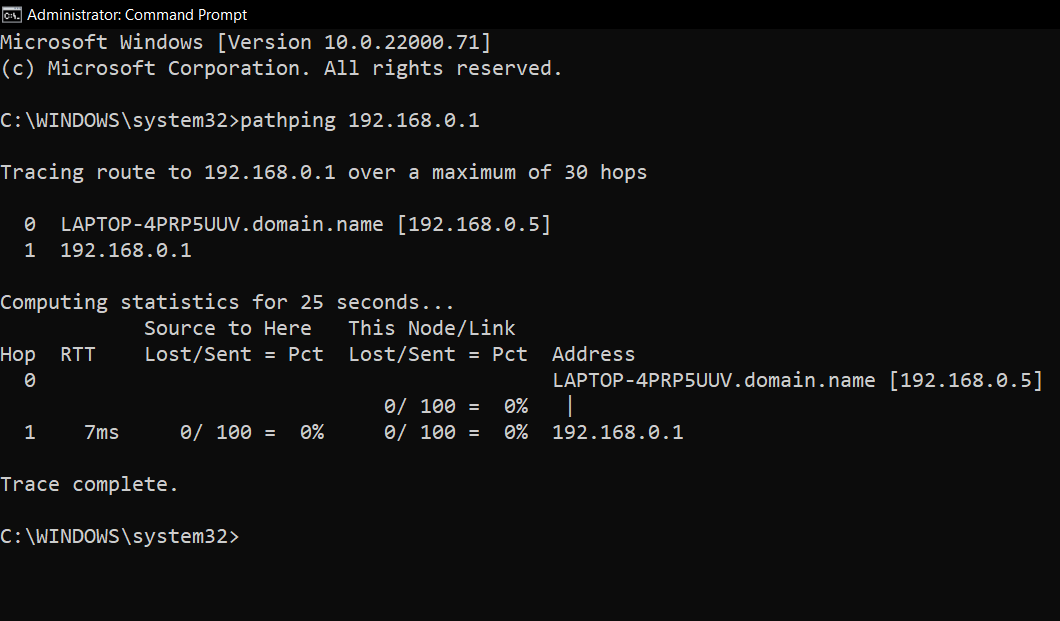
****

**5) arp :**

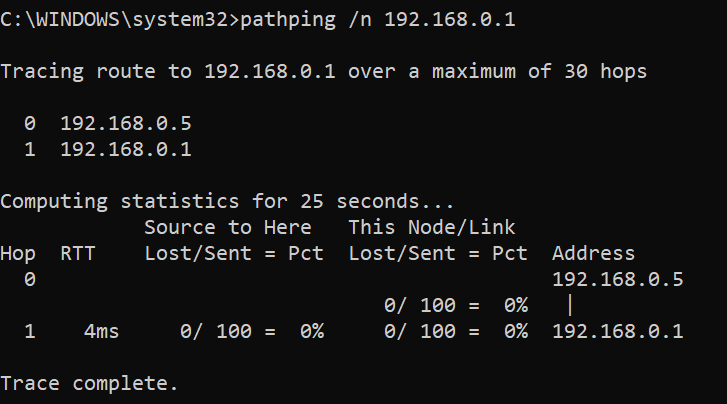
**(i) arp -a :**

****

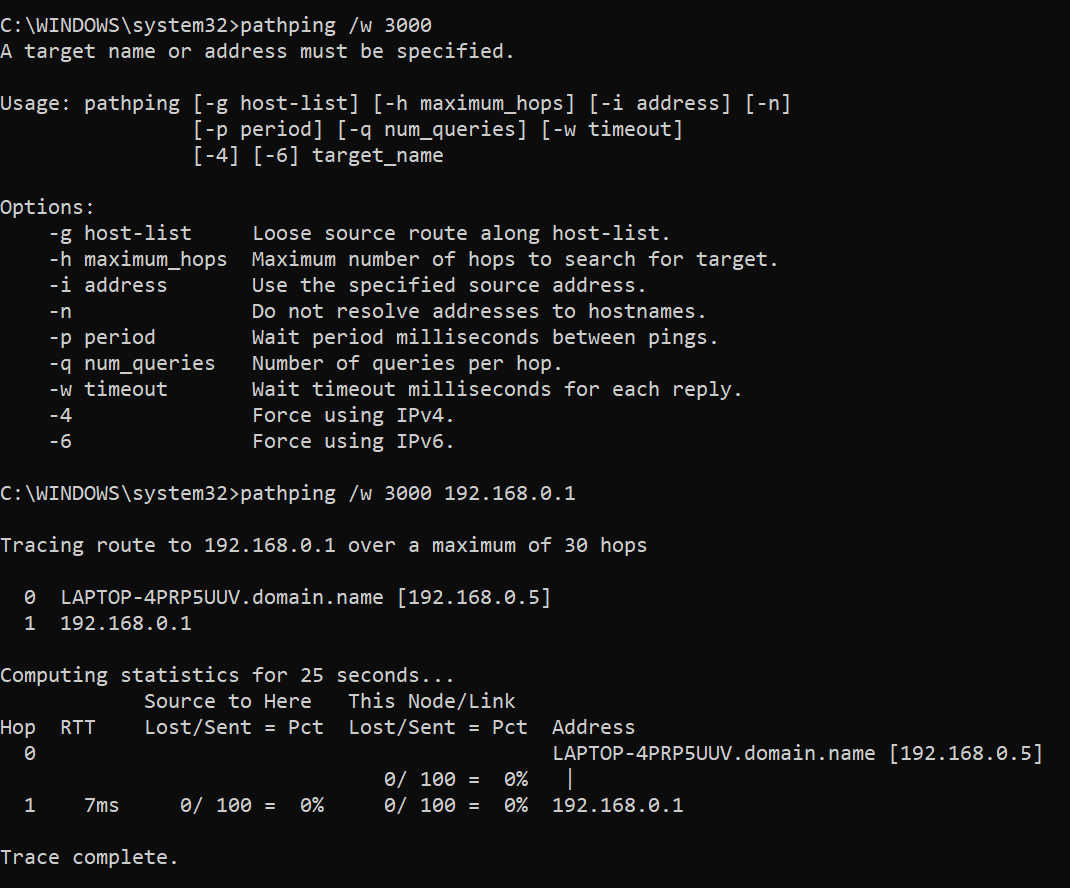
**6.) pathping :**

****

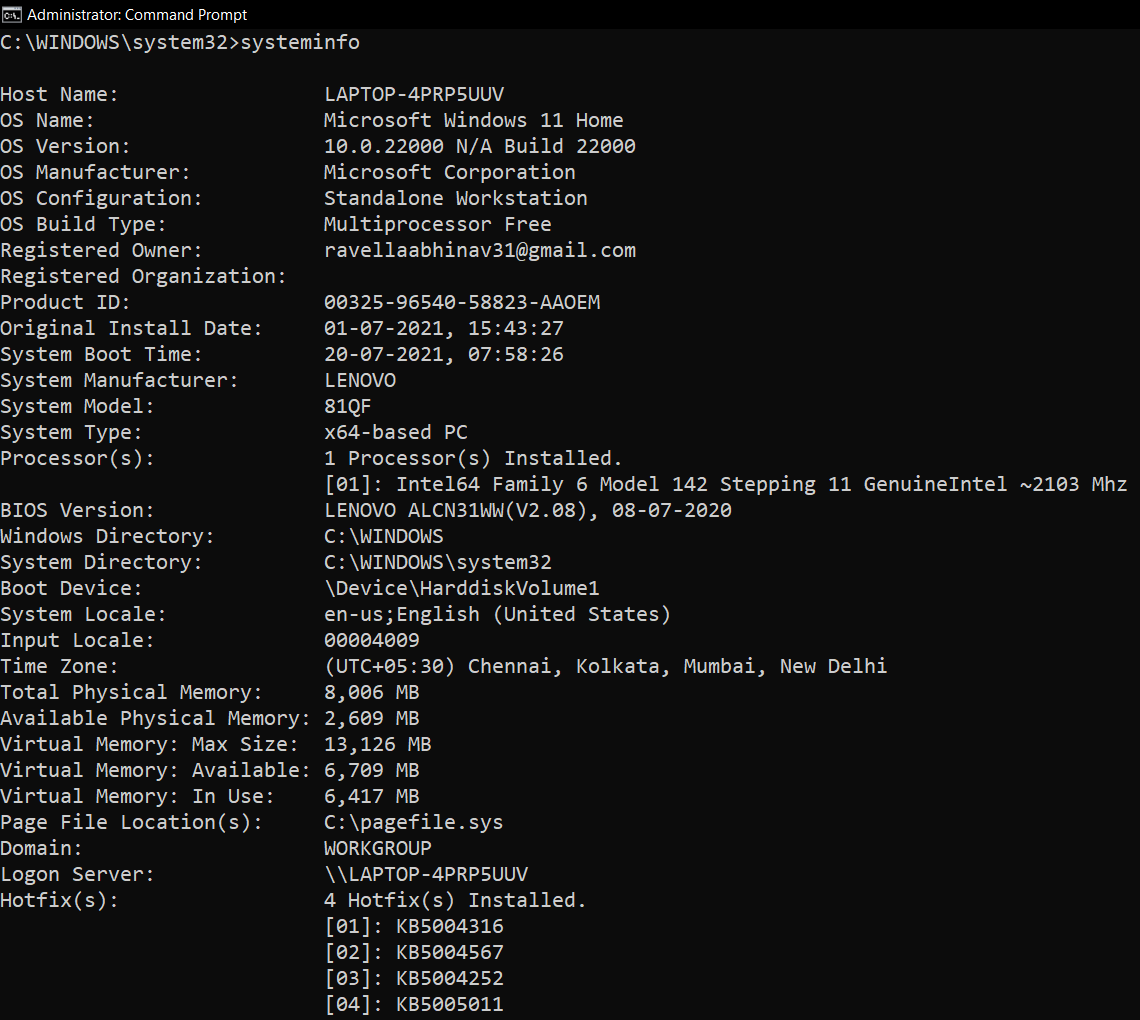
**(ii) pathping /n:**

****

**(iii)pathping /w 3000 192.168.0.1 :**

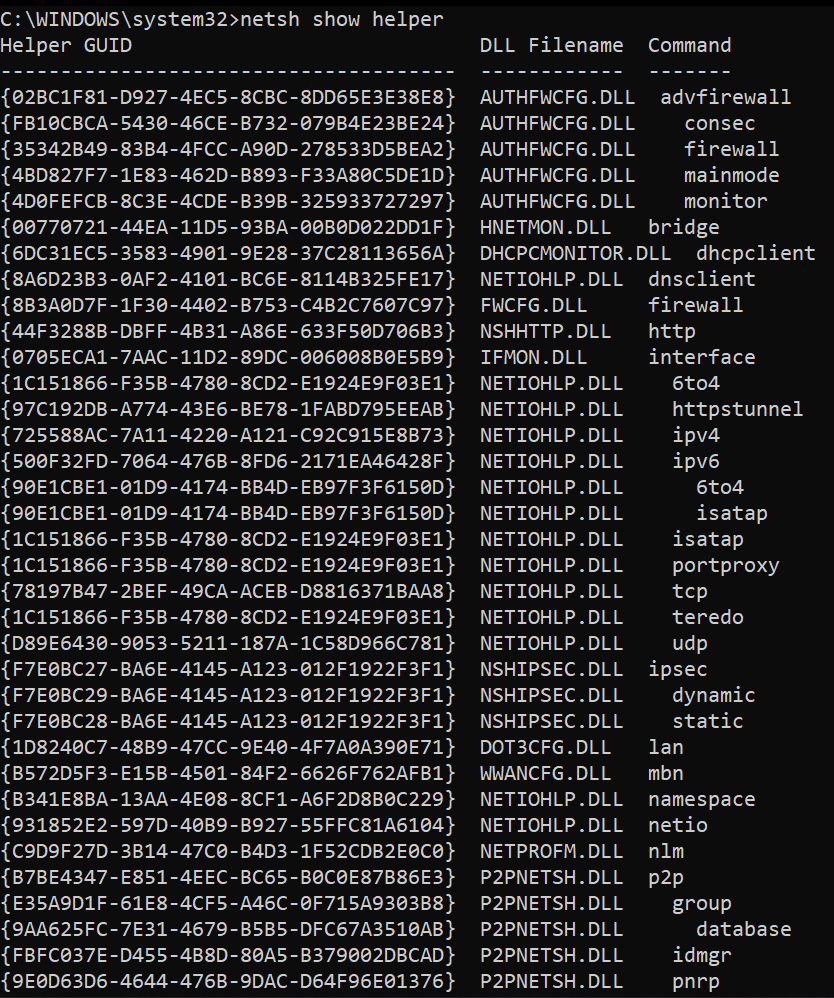
****

**7) systeminfo :**

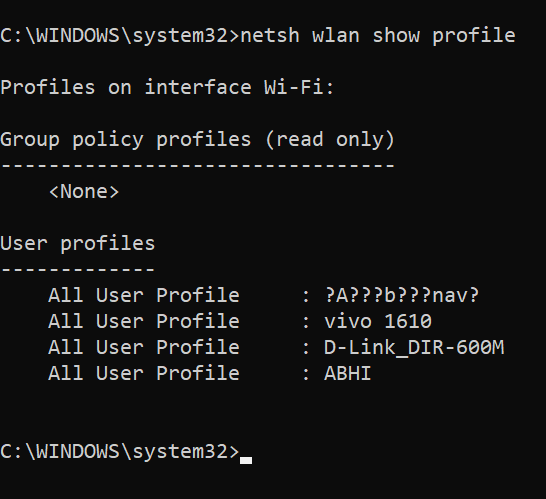
****

**8. netsh :**

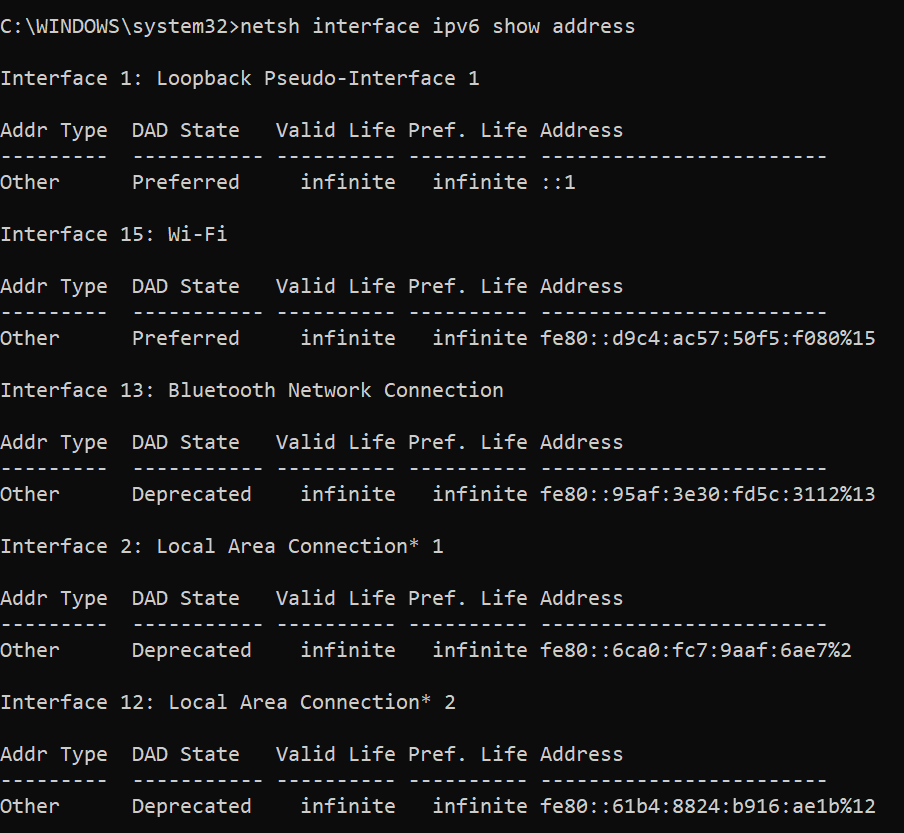
1. **helper:**

****

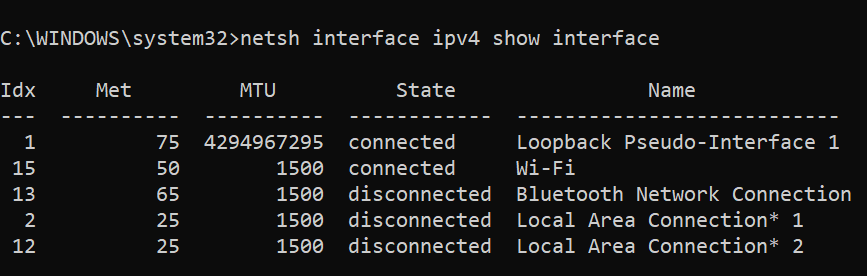
**(ii) netsh wlan show profile :**

****

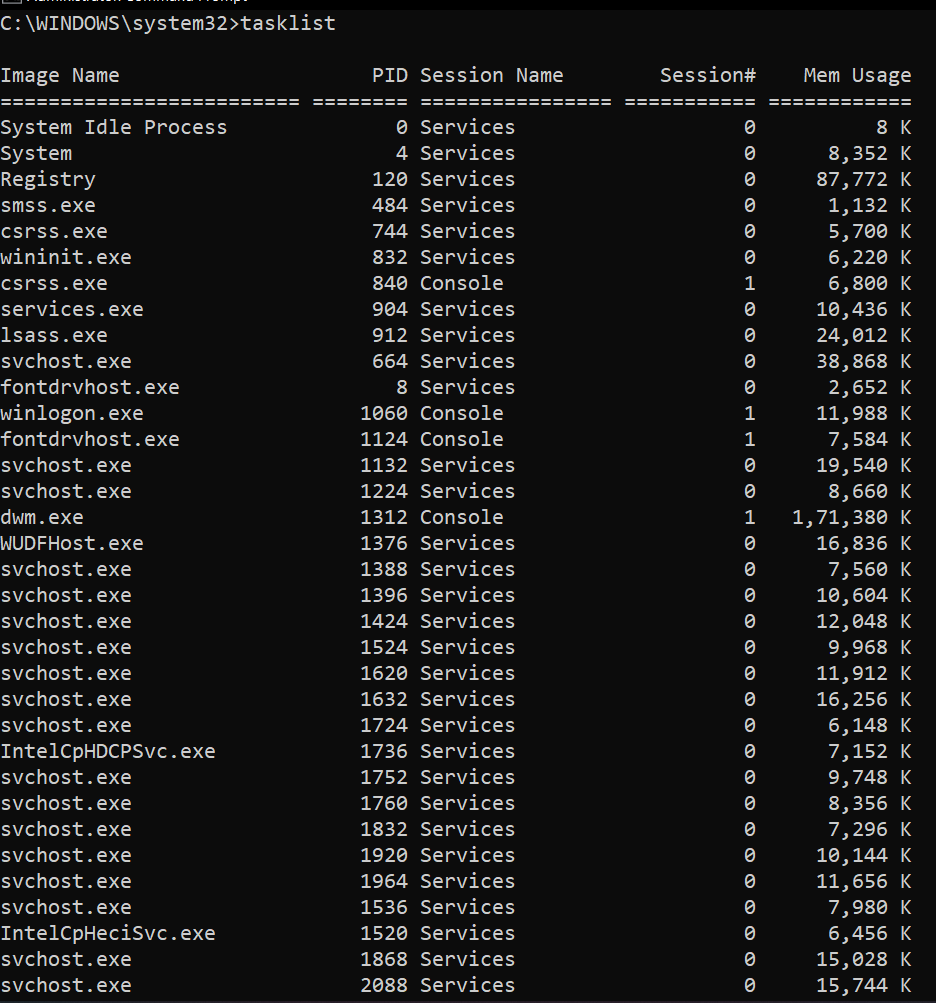
**(iii) netsh interface ipv6 show address :**

****

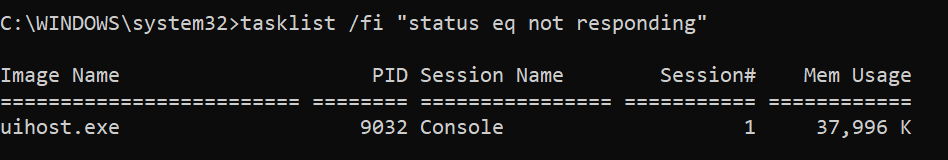
**(iv) netsh interface ipv4 show interface :**

****

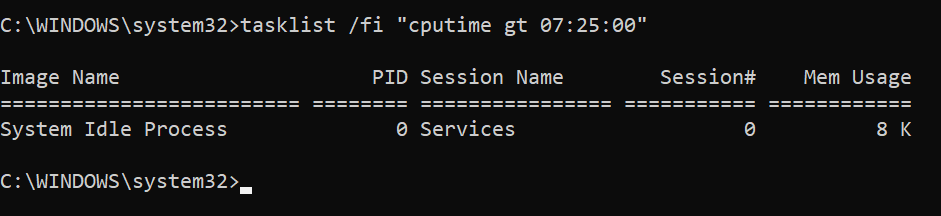
**10) tasklist :**

****

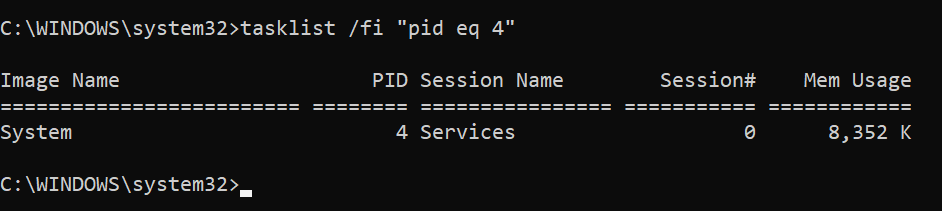
1. **tasklist /fi "status eq not responding" :**

****

1. **tasklist /fi "cputime gt 07:25:00" :**

****

1. **tasklist /fi “pid eq 4” :**

****