

DATA COMMUNICATION AND NETWORKS

LAB # 01



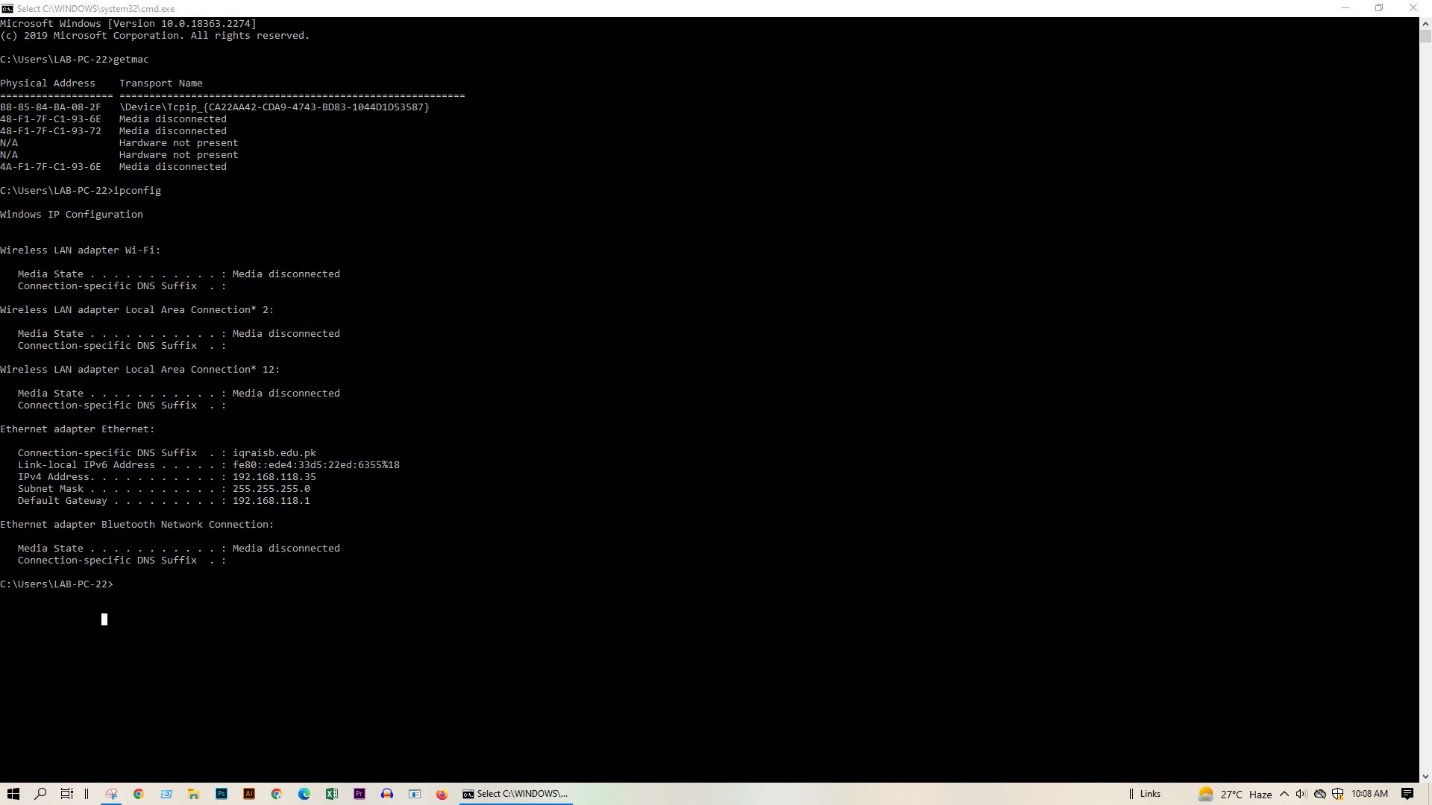
September 26, 2022

MUHAMMAD NOMAN

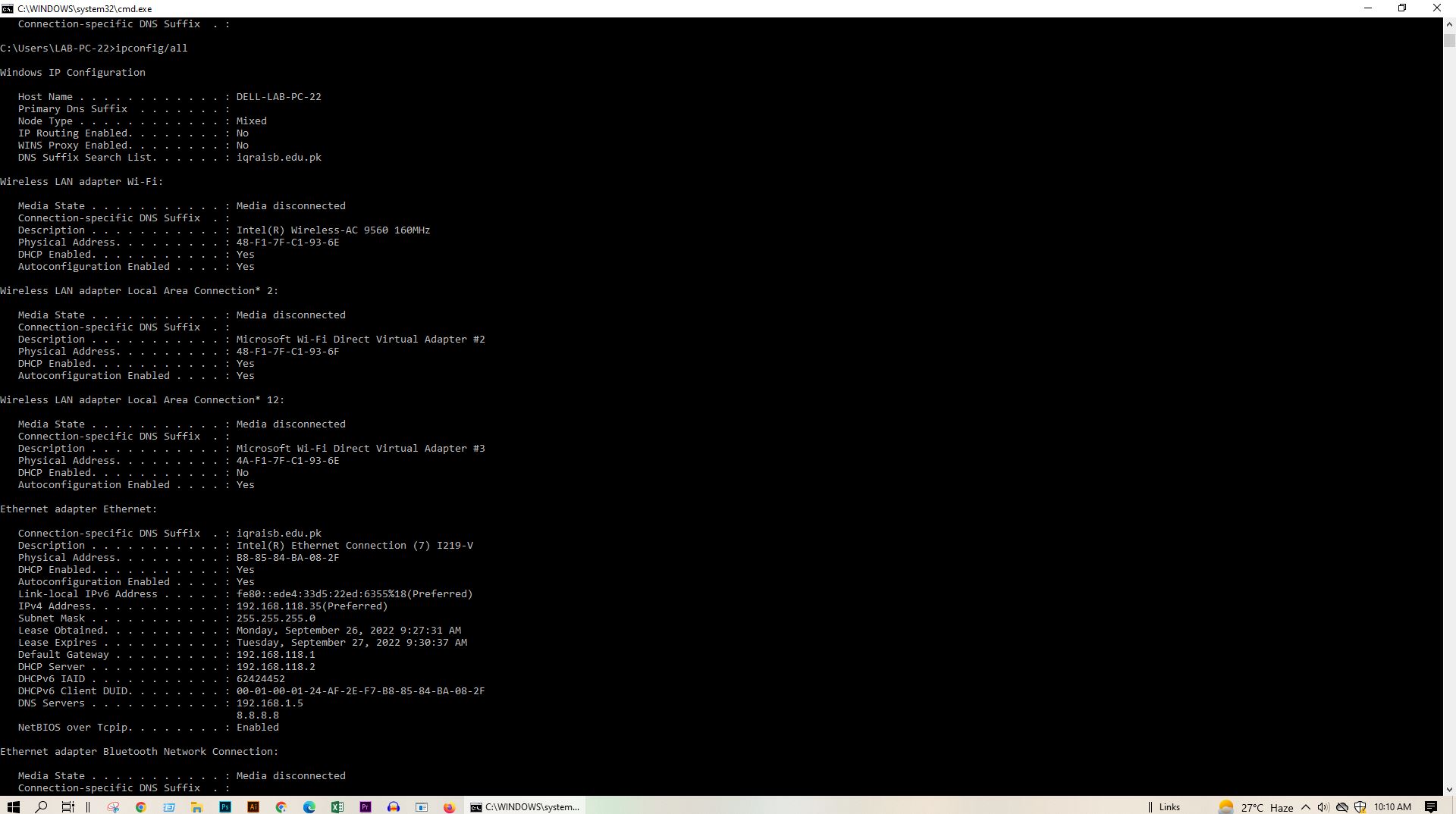
35152-BSCS

**PRACTISE TASK:**

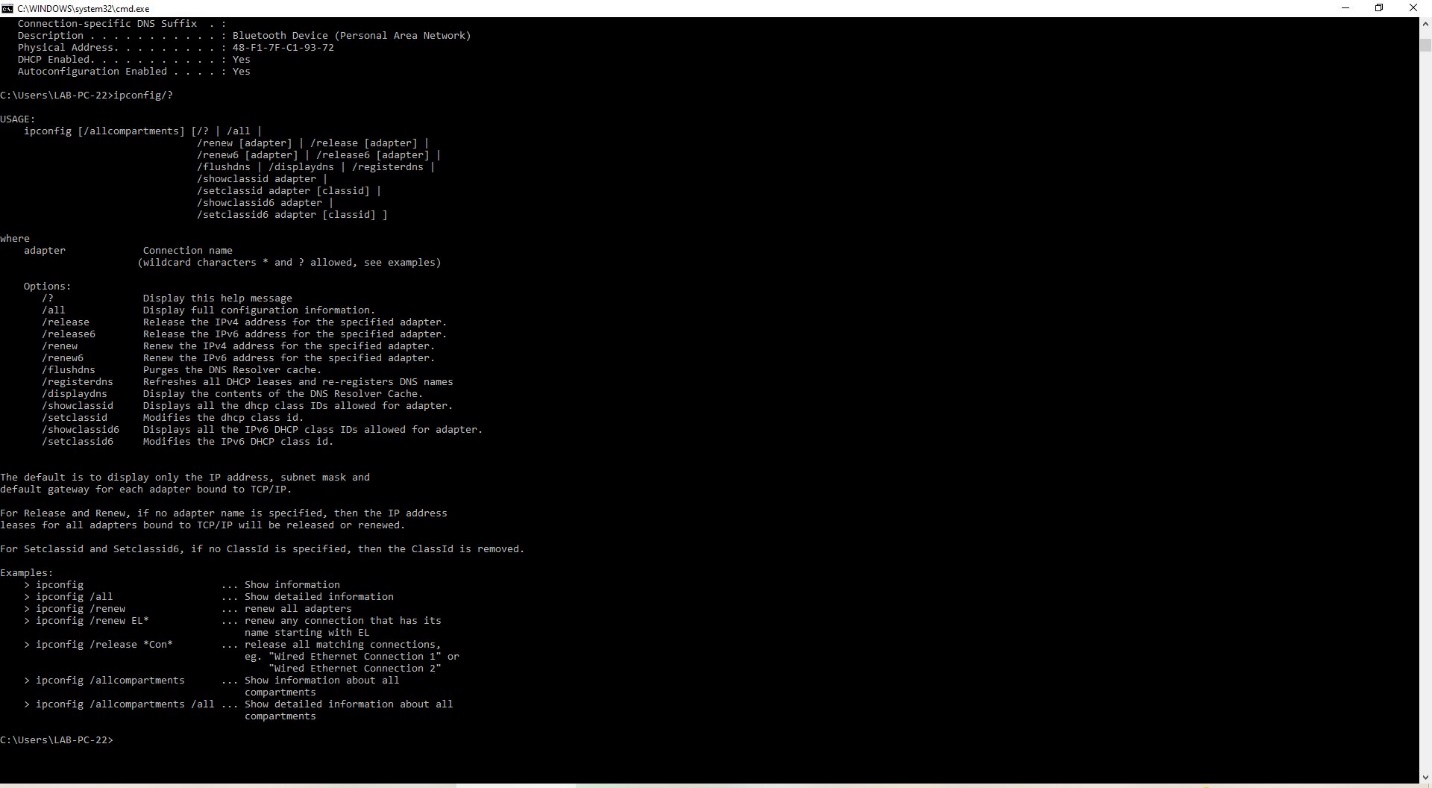
**COMMONDS:**

****

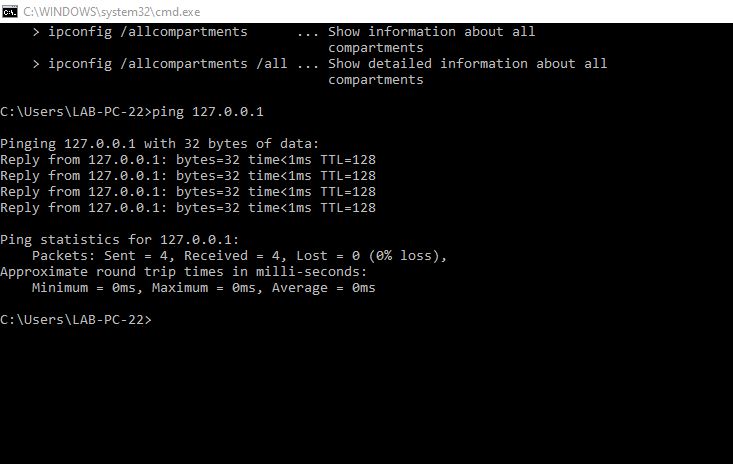
**>IPCONFIG/ALL**

****

**>IPCONG/?....HELP**

****

**PING 127.0.0.1 .. TESTING**

****

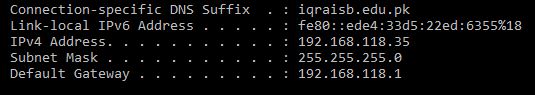
**TASK # 01**

**Q#01: Write the address class next to each IP address.**

|  |  |
| --- | --- |
| **Classes** | **IP address** |
| **A** | **0-126** |
| **B** | **128-191** |
| **C** | **192-223** |
| **D** | **224-239** |
| **E** | **214-255** |

**Q#02 : step-3: Record the following TCP/IP information for this computer.**

1. **IP address**
2. **Subnet mask**
3. **Default gateway**

****

**Q#03**

**My Computer Data:**

IPv4 Address 🡪 192.168.118.35

Subnet Mask 🡪 255.255.255.0

Default Gateway 🡪 192.168.118.1

DNS Servers 🡪 192.168.1.5

**Computer’s Host Name: Anas – 33631**

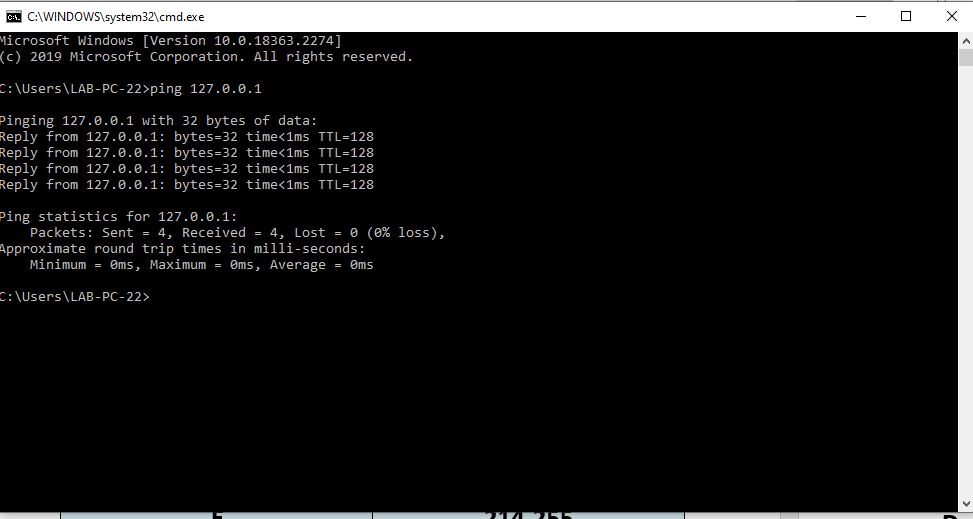
IPv4 Address => 192.168.184.1

Subnet Mask => 255.255.255.0

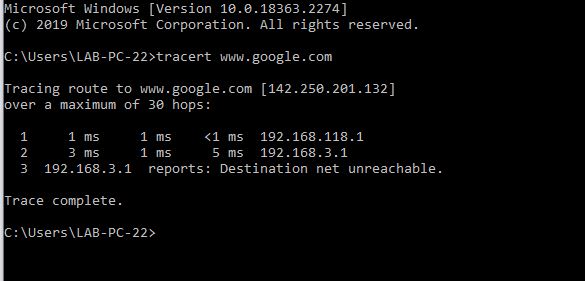
Default Gateway => 192.168.118.1

DNS Servers => 192.168.1.5

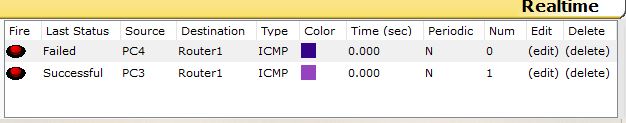
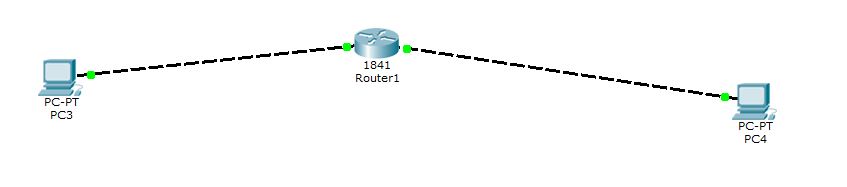
**Part-B: using Ping Tracert:**

****

**Tracert**

****

**Task 1:**

****