

Course Name : O Level(B4-1st sem.)  
Topic : Identifying & uses of  
IP/MAC/IMEI of various devices

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## Identifying and uses of IP/MAC/IMEI of various devices.

### MAC(Media Access Control Address)

MAC address is the address that uniquely identifies a node on the network. It is also called the physical address, or the Burnt-In address, or the software address. The MAC address is provided by the manufacturer of the NIC(Network Interface Card). It is embedded into the hardware and remains constant for that device. MAC is a 48 bits address.

### **How to find IP Address and MAC Address of a network card:-**

1. Press the Window Start key to open the start menu
2. Type cmd and press enter to launch the command prompt.
3. Type ipconfig/all at the command prompt to check the network card settings.
4. The MAC address and IP address are listed under the appropriate adapter **as Physical address and IPv4 address.**

### IMEI (International Mobile Equipment Identity) Number

Every mobile phone has an International Mobile Equipment Identity (IMEI) that identifies our phone. If our phone is stolen, we can call our network provider and have them blacklist the device using its IMEI number, which should make it useless to the thief, even if they change the SIM card.

### How to identify the IMEI number

**To identify the IMEI number of ios user follow these steps:**

1. Start the **Settings** app.
2. Tap "**General**," and then tap "**About**."
3. Scroll to the bottom of the page, and you'll see the **IMEI number**.
4. If we want to record the **IMEI number** error-free, tap and hold the **IMEI number** for a second or two until we see the Copy bubble appear.

**To identify the IMEI number of Android Phone user follows these steps:**

1. Open the **Settings** app on our Android phone.
2. Scroll down and tap on **About Phone**.
3. Scroll down and we will find the number under IMEI.

**Exercise:**

1. Write the difference between MAC Address and IP Address.