Practical No: 07.

Aim : Configuration of TCP/IP protocol In windows and linux.
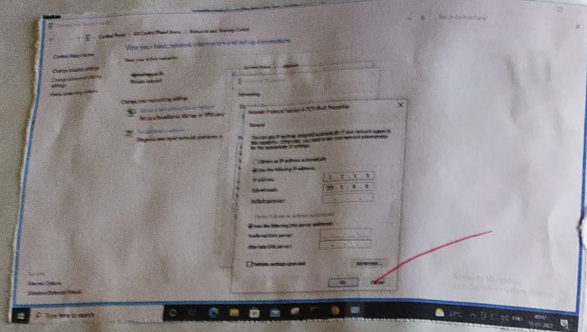
Software required : Command prompt

Theory :

Internet protocol (IP) :

The Internet protocol is a protocol or set of rules for routing and addressing packet of data so that they can travel across network and arrive at correct destination. The IP is the network layer communication protocol in the internet protocol suite for replacing datagram across network boundaries

IP addresses :

an internet protocol address is a numerical table such as 192.168.1.1 (IPv4) that is connected to a computer networks that uses the internet protocol for communication. an IP address serves two main function. Network interfaces identification and location addressing.

To configuration of IP we do following things.

first open command prompt and check the current IP of address devices by using IP config command.

then go in control panel check on network and switching sharing centre and choose ethernet properties tab and open Ethernet properties has been display. from list choose Internet protocol version 4 (TCP/IPv4) and click the new tab is open select the use of following IP address and set the IP address click ok then close after come on command prompt and run IP config command we are see the new IPv4 address that can be set by us. after completion go into Internet protocol version 4 (TCP/IPv4) where we get the IP address and choose obtain an IP address automatically.

Conclusion: Thus we have studied about configuration of TCP/IP protocol In window.

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