enable passwords.

Lab #01

- **ISP=** (internet service provider).
  "provide services for accessing, managing the internet."

- **SSID =** (service-set identifier).
  ⇒ Unique id, may be wifi-names.
  ⇒ According to WLAN (wireless LAN) 802.11 an SSID can be 32-bit long.

- **Check your IP:**
  i) **Window:** ipconfig
  ii) **ubantu:** hostname -I.

- **Ethernet =** eg (Enterprise access Network(organization))
  "it is used to connect devices on network to transfer broadcast data."

- PC → (Packet Transfer) Switch → Router → bridge b/w 2 lans (LAN)

- **internet=**
  connection of ISP's
  ⇒ upstream < 2.5 Mbps (No. of data uploaded)
  ⇒ downstream < 24 Mbps (data downloaded)

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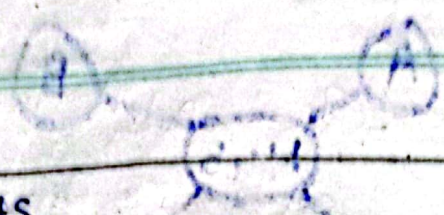
5)



Commands

See IP set of Router.

1) enable
2) configue terminal
3) interface Fast Ethernet 0/0, 1/0
4) ip address 192.168.1.0 255.255.255.0
5) no shutdown

Password For Router:

enable password ahad

enable secret 3640

- **Node Delay =** → Nodal delay

Formula $d_{nodal} = d_{proc} + d_{queue} + d_{trans} + d_{prop}$

(Nodal delay)

- **processing delay =** (error checking source)

- **Transmission delay =**

- **Queing delay =**

(Time waiting at the output for transmission)

- **Propagation delay:**

$d_{prop} = \frac{d}{s}$ = Length of Physical link / Propagation speed.

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