* **Static Routing**
* router > "This is called as Privilege made"
* than go to "Enable" mode for start configuration in router.
* Router> enable
* in Enable mode we only show configuration
* than go to configuration terminal
* Router#configuration terminal
* Router(config)#
* for set IP address go to Interface Mode
* Interface Mode: - Se: - Serial Fa: - Fastethernet gig: - Gigabyte Ethernet
* Router(config)#interface Se 2/0
* Router(config-if) #
* assign Ip address to interface (serial, fast Ethernet, gigabyte ethernet)
* Router(config-if) #ip address 192.168.10.1 255.255.255.0
* for save ip address
* Router(config-if) #no shutdown
* \*STATIC ROUTING configuration command's
* first check all router configuration
* for show all configuration go to enable mode
* Router# show ip route
* Then go to configure Mode
* Router(config)#
* Router(config)#ip route "add network IP address" "Subnet Mask" "Exit port Ip address" (in both side)
* **RIP ROUTING**
* router > "This is called as Privilege made"
* than go to "Enable" mode for start configuration in router.
* Router> enable
* in Enable mode we only show configuration
* than go to configuration terminal
* Router# configuration terminal
* Router(config)#
* for set IP address go to Interface Mode
* Interface Mode: - Se: - Serial
* Router(config)#interface Se 2/0
* Fa: - Fast Ethernet gig: - Gigabyte Ethernet
* Router(config-if) #
* Assign Ip address to interface (serial, fast Ethernet, gigabyte ethernet)
* Router(config-if) #ip address 192.168.10.1 255.255.255.0
* for save ip address
* Router(config-if) #no shutdown
* \*"RIP" ROUTING configuration command's
* first check all router configuration
* for show all configuration go to enable mode
* Router# show ip route
* Then go to configure Mode
* Router(config)#
* Router(config)#router rip
* Router(config-router) #network "update his own network" (in both side)
* **DHCP configuration: -**
* DHCP use for assign IP Address automatically & that process called DORA process.
* DORA stand for: -
  + D: - Discover
  + O: - Offer
  + R: - Request
  + A: - Ack
* \*Set ip address on fast Ethernet interface than go to configure mode: -
* Router(config)#
* Router(config)#ip dhcp pool "pool-name"
* Router(dhcp-config) #network "network ip" "Subnet-mask"
* Router(dhcp-config) #default-router "fa0/0 port ip"

or

* Router(dhcp-config) #dns-server "192.168.10.10" (>when our network use dns server)