**Router basic configuration**

Router mode : see previous class

**To change the router’s hostname:**

Continue with configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>en [en = enable]

Router#conf t [conf t = configure terminal]

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#hostname R1

R1(config)#

note: here R1 is router name

**To save configuration in NVRAM:**

==================================

R1(config)#ex [ex = exit]

R1#

%SYS-5-CONFIG\_I: Configured from console by console

R1#wr [wr = write]

Building configuration...

[OK]

R1#

**how to check running configuration?**

==================================

R1#show running-config

Building configuration...

Current configuration : 541 bytes

!

version 15.1

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname R1

**To check startup configuration or saved configuration:**

=========================================================

R1#sh startup-config [sh = show]

**how to set enable password?**

===========================

R1#conf t

Enter configuration commands, one per line. End with CNTL/Z.

R1(config)#ena

R1(config)#enable pa

R1(config)#enable password ccna (note: ccna is my password)

R1(config)#wr

R1(config)#wr

R1(config)#ex

R1#

%SYS-5-CONFIG\_I: Configured from console by console

R1#

R1#wr

Building configuration...

[OK]

R1#

**how to set enable secret password?**

==================================

R1(config)#enable secret router

R1(config)#ex

R1#

%SYS-5-CONFIG\_I: Configured from console by console

R1#wr

Building configuration...

[OK]

**password change to hash mode?**

============================

R1(config)#service password-encryption

**how to check interface status?**

==============================

R1#show ip interface brief

**how to configure inside the interface?**

=====================================

R1(config)#interface gi

R1(config)#interface gigabitEthernet 0/0

R1(config-if)#ip add

R1(config-if)#ip address ?

**how to configure ip address**

===========================

R1(config-if)#ip add

R1(config-if)#ip address ?

A.B.C.D IP address

dhcp IP Address negotiated via DHCP

R1(config-if)#ip address 192.168.10.10 ?

A.B.C.D IP subnet mask

R1(config-if)#ip address 192.168.10.10 255.255.255.0 ?

<cr>

R1(config-if)#ip address 192.168.10.10 255.255.255.0

R1(config-if)#no sh

R1(config-if)#no shutdown

R1(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up

**how to configure telent for remote access?**

==========================================

R1(config)#line vty 0 4

R1(config-line)#password 123

R1(config-line)#login

R1(config-line)#do wr

connect from pc

---------------

PC>telnet 192.168.10.10 (note : here ip address is router ip address)

Trying 192.168.10.10 ...Open

User Access Verification

Password: ( note: use telent password set in line vty section )

R1>

**how to set banner?**

=================

Router1(config)#ban

Router1(config)#banner

Router1(config)#banner mod

Router1(config)#banner mot

Router1(config)#banner motd c

Enter TEXT message. End with the character 'c'.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

THIS IS CISCO ROUTER BANNER

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* c

Router1(config)#do wr

Building configuration...

[OK]

**how to remove banner?**

====================

Router1(config)#no banner motd

how to disable Invalid input?

================================

Router1(config)#no ip domain-lookup