**Basic Router Configuration**Router>enable
Router#configure terminal
1. To change Hostname:
 Router(config)#hostname **PSTU**2. To set enable password
 PSTU(config)#enable password **class**3. To set password encryption
 PSTU(config)#service password-encryption
4. To set secret enable password
 PSTU(config)#enable secret **PSTUCSE**5. To set a banner
 PSTU(config)#banner motd #**Batch E-50**#
6. To set minimum length of password
 PSTU(config)#security passwords min-length **10**7. To configure Console Line
 PSTU(config)#line console 0
 PSTU(config-line)#password **cisco12345** PSTU(config-line)#exec-timeout **5 0** PSTU(config-line)#login local
 PSTU(config-line)#exit
8. To configure VTY Line
 PSTU(config)#line vty 0 4 [N.B: *For Switch vty line 0 15*]
 PSTU(config-line)#password **class12345** PSTU(config-line)#exec-timeout **5 0** PSTU(config-line)#login local
 PSTU(config-line)#exit
9. Interface defining (IPv4)
 PSTU(config)#interface **fastEthernet 0/0** PSTU(config-if)#ip address **192.168.16.4 255.255.255.0** PSTU(config-if)#description **E-50 Computer Network** PSTU(config-if)#no shutdown
 PSTU(config-if)#exit
10.Interface defining (IPv6)

PSTU(config)#ipv6 unicast-routing
PSTU(config)#interface **fastEthernet 0/1**PSTU(config-if)#ipv6 address **2001:db8:acad:A::1/64**PSTU(config-if)#ipv6 address **FE80::1** link-local
PSTU(config-if)#no shutdown
PSTU(config-if)#exit

11.To create database and access via SSH/telnet

PSTU(config)#username **admin** secret **cisco12345**PSTU(config)#ip ssh version 2
PSTU(config)#ip domain-name **dansecoursrs.com**PSTU(config)#crypto key generate rsa
How many bits in the modulus [512]: **1024**

12.To copy running configuration/Save

PSTU#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]