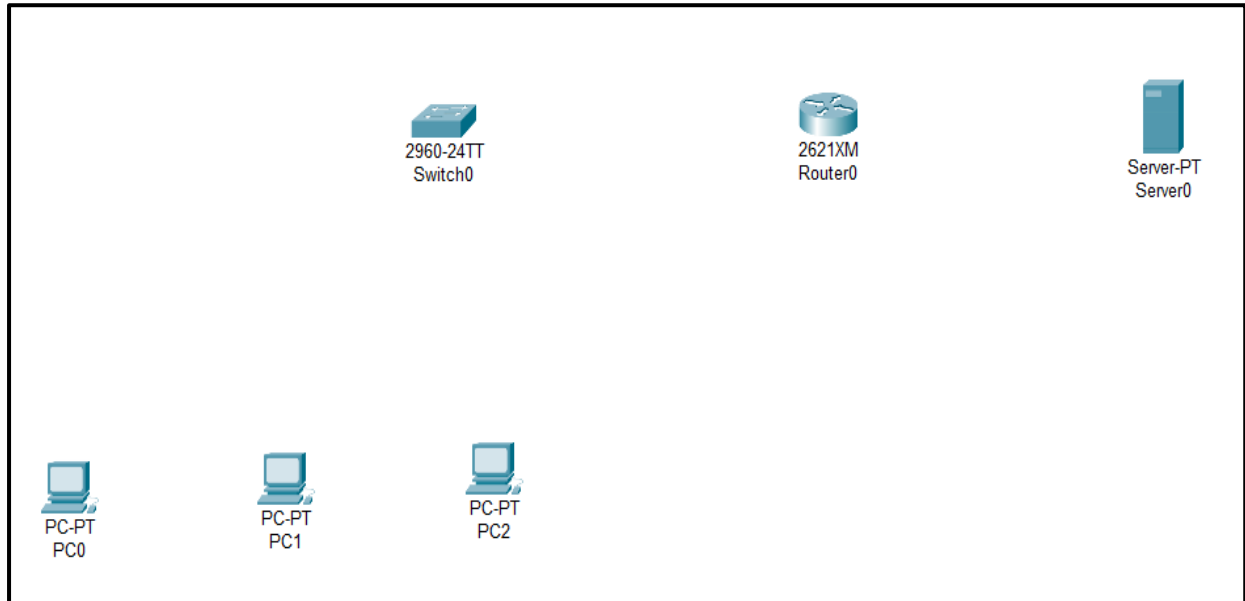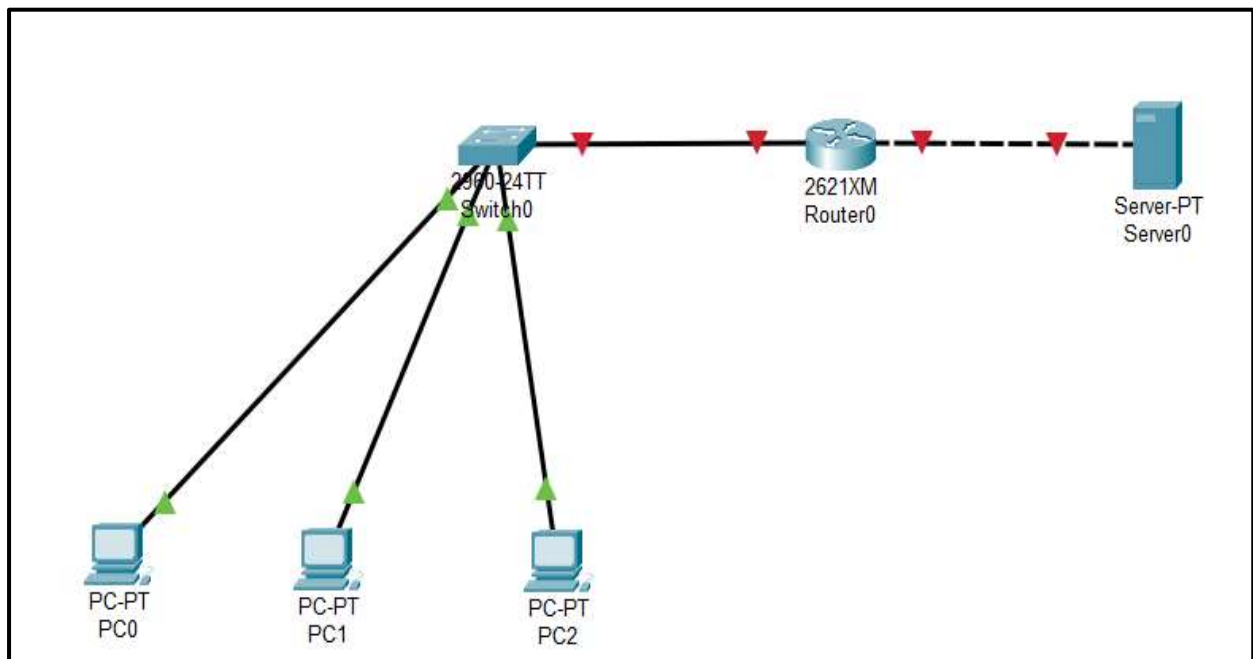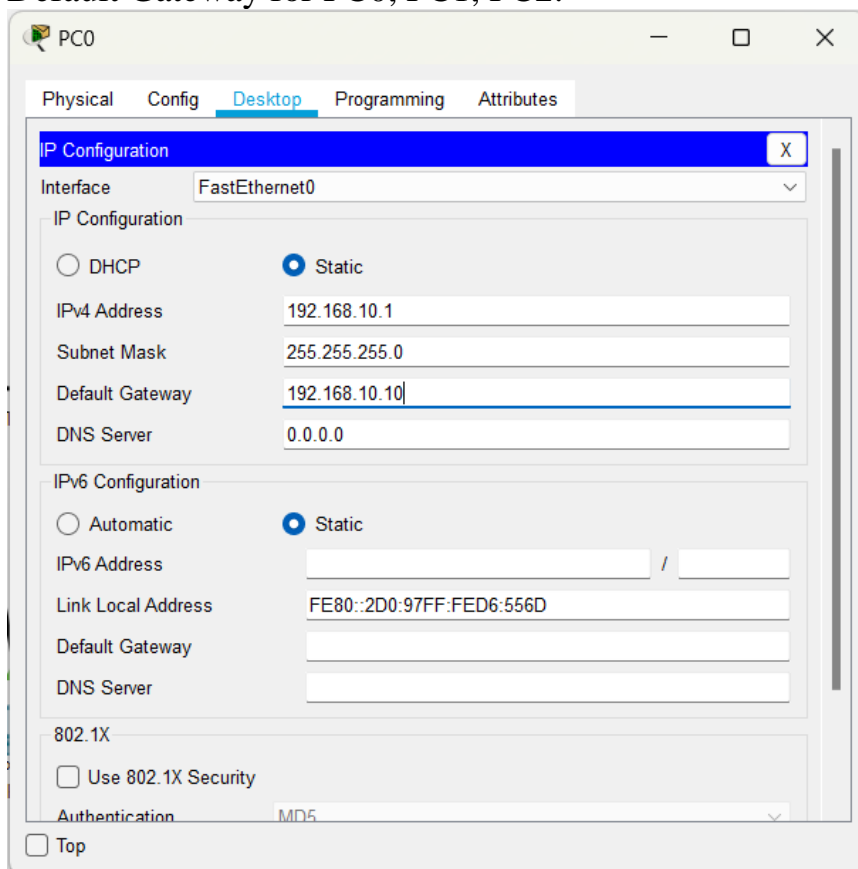# Practical No:

Aim: Placing ACLs

Step 1: Take Components and arrange like this.

Step 2: Connect PC0, PC1, PC2 and Router0 with Switch0 using Copper Straight-Through and Connect Router0 with Server0 using Copper Cross Over.

Step 3: Click on PC > Desktop > IP Configuration > Enter IPv4 Address Default Gateway for PC0, PC1, PC2.

Step 4: Click on Router0 > Config > FastEthernet0/0 > Make Changes as below
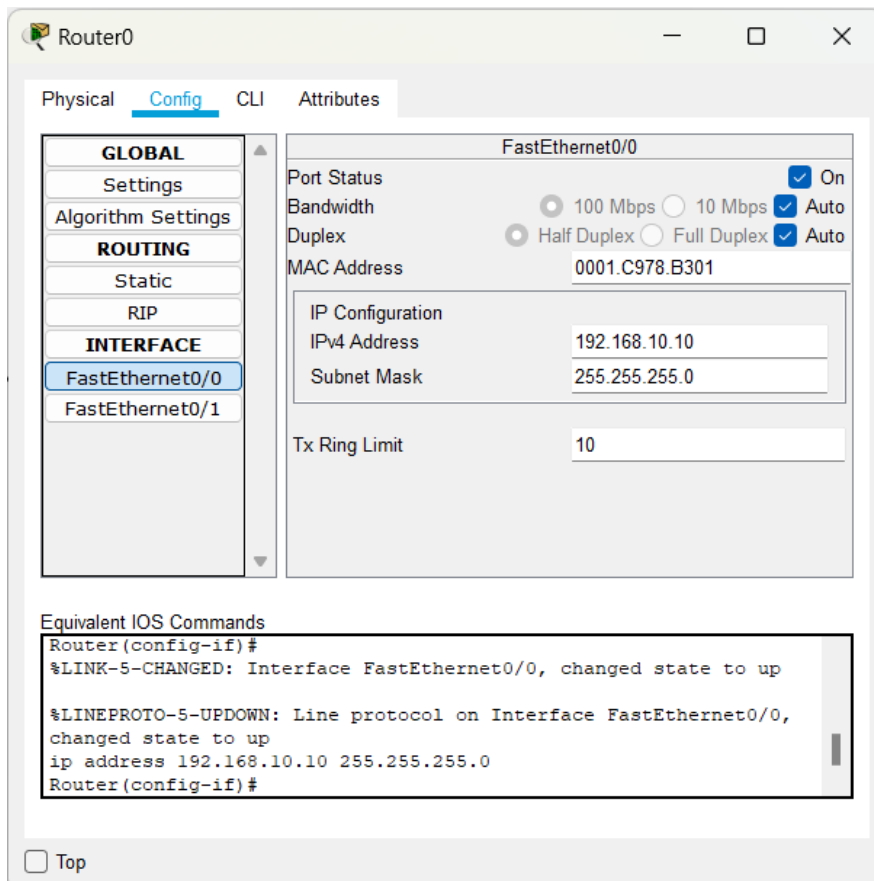
Step 5: Click on Router0 > Config > FastEthernet0/1 > Make Changes as below

Step 6: Click on Server0 > Config > FastEthernet0/1 > Make Changes as below

Step 7: Click on Router0 > CLI > Enter below commands.

Router(config-if)#exit

Router(config)#ip access-list ?

  extended Extended Access List

  standard Standard Access List

Router(config)#ip access-list standard ?

  <1-99> Standard IP access-list number

  WORD   Access-list name

Router(config)#ip access-list standard 11 ?

  <cr>

Router(config)#ip access-list standard 11

Router(config-std-nacl)#?

  <1-2147483647> Sequence Number

  default   Set a command to its defaults

  deny   Specify packets to reject

  exit   Exit from access-list configuration mode

  no   Negate a command or set its defaults

  permit   Specify packets to forward

  remark   Access list entry comment

Router(config-std-nacl)#deny ?

  A.B.C.D Address to match

  any   Any source host

  host   A single host address

Router(config-std-nacl)#deny host ?

  A.B.C.D Host address

Router(config-std-nacl)#deny host 192.168.10.2 ?

  <cr>

Router(config-std-nacl)#deny host 192.168.10.2

Router(config-std-nacl)#permit ?

  A.B.C.D Address to match

  any   Any source host

  host   A single host address

Router(config-std-nacl)#permit any ?

  <cr>

Router(config-std-nacl)#permit any

Router(config-std-nacl)#exit

Router(config)#interface fastethernet 0/0

Router(config-if)#ip access-group ?

  <1-199> IP access list (standard or extended)

  WORD   Access-list name

Router(config-if)#ip access-group 11 ?

  in   inbound packets

  out outbound packets

Router(config-if)#ip access-group 11 in

Router(config-if)#exit

Router(config)#exit

Router#

%SYS-5-CONFIG_I: Configured from console by console
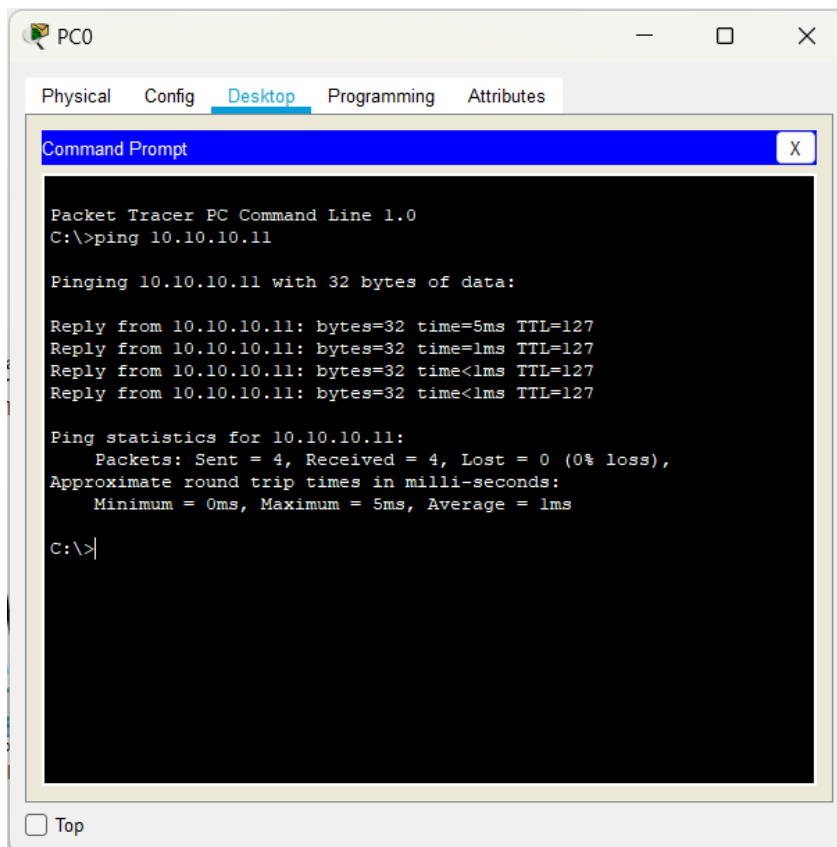
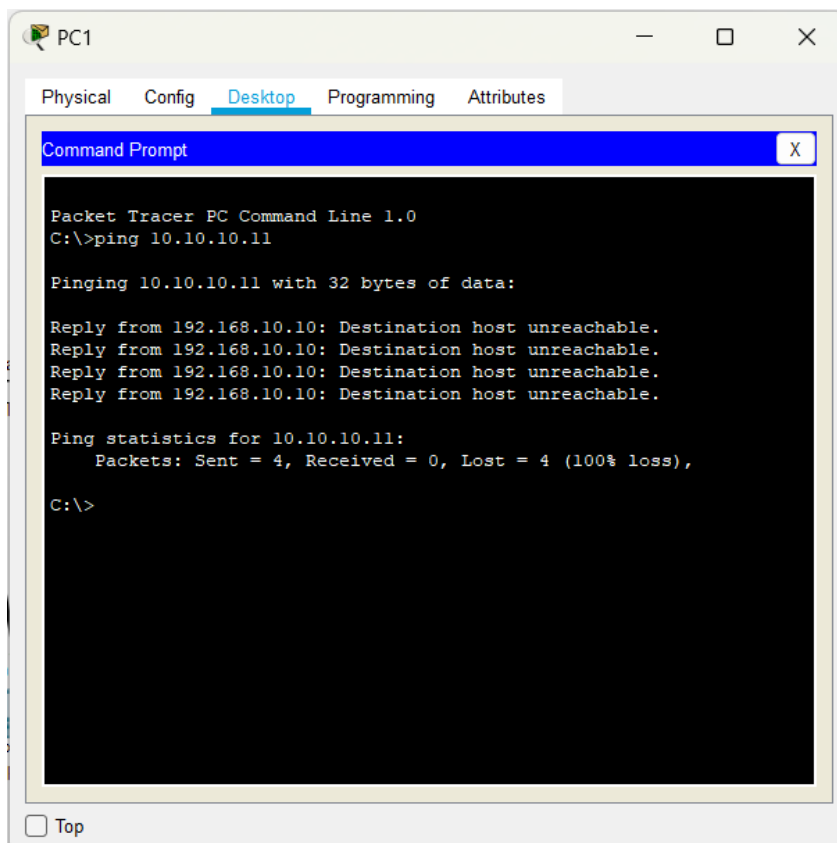
Router#show access-lists

Standard IP access list 11

   10 deny host 192.168.10.2

   20 permit any

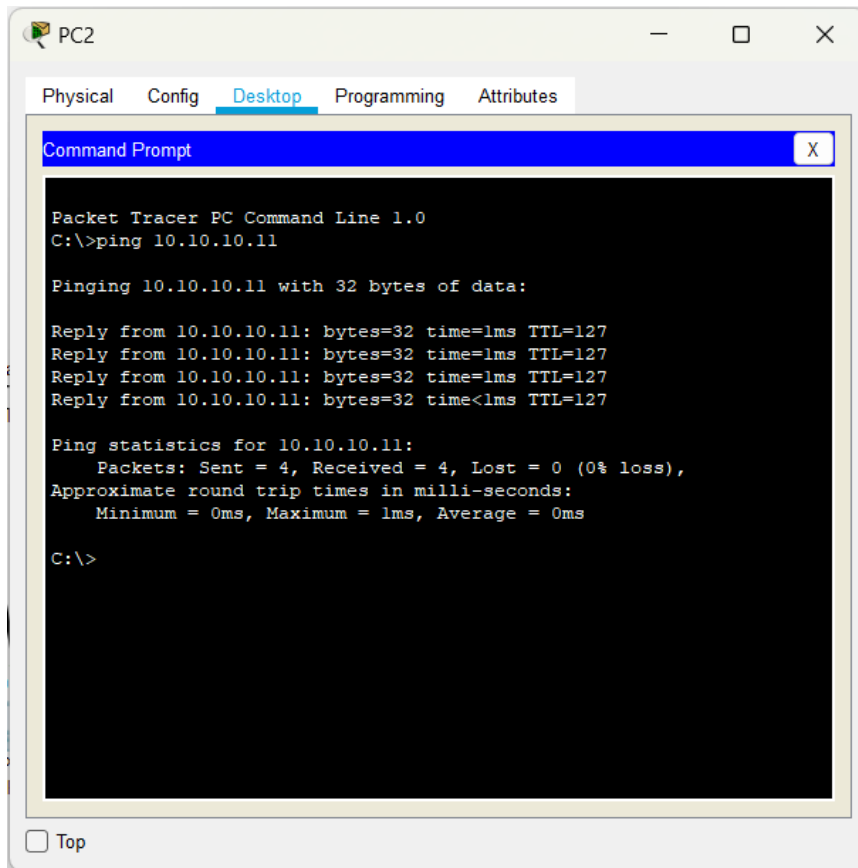**Step 8: Click on PC1 > Desktop > Command Prompt >Enter below command**


```
PC0                                              —    □    ×

Physical   Config   Desktop   Programming   Attributes

Command Prompt                                              X

Packet Tracer PC Command Line 1.0
C:\>ping 10.10.10.11

Pinging 10.10.10.11 with 32 bytes of data:

Reply from 10.10.10.11: bytes=32 time=5ms TTL=127
Reply from 10.10.10.11: bytes=32 time=1ms TTL=127
Reply from 10.10.10.11: bytes=32 time<1ms TTL=127
Reply from 10.10.10.11: bytes=32 time<1ms TTL=127

Ping statistics for 10.10.10.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\>

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```

Step 8: Click on PC1 > Desktop > Command Prompt >Enter below command


```
PC1                                              —    □    ×

Physical   Config   Desktop   Programming   Attributes

Command Prompt                                              X

Packet Tracer PC Command Line 1.0
C:\>ping 10.10.10.11

Pinging 10.10.10.11 with 32 bytes of data:

Reply from 192.168.10.10: Destination host unreachable.
Reply from 192.168.10.10: Destination host unreachable.
Reply from 192.168.10.10: Destination host unreachable.
Reply from 192.168.10.10: Destination host unreachable.

Ping statistics for 10.10.10.11:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>

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```

Step 9: Click on PC2 > Desktop > Command Prompt >Enter below command

Step 10: Click on Router0 > CLI > Enter below commands.