# Q.5) Configure a Zone-Based policy Firewall.

# All successful

Step 2 :- Click on R1  CLI Command Type Command R1>en

R1#conf t

Enter configuration commands, one per line. End with CNTL/Z. R1(config)#enable secret enpa55

R1(config)#line console 0 R1(config-line)#password conpa55 R1(config-line)#login

R1(config-line)#exit

R1(config)#ip domain-name ccnasecurity.com R1(config)#username admin secret adminpa55 R1(config)#line vty 0 4

R1(config-line)#login local R1(config-line)#exit R1(config)#crypto key generate rsa

How many bits in the modulus [512]: 1024

R1(config)#ex R1#show version

R1#conf t

R1(config)license boot module c1900 technology-package securityk9 ACCEPT? [yes/no]: y

R1(config)#ex R1#

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

R1#reload

System configuration has been modified. Save? [yes/no]:y Building configuration...

[OK]

Proceed with reload? [confirm]

User Access Verification

Password: conpa55 R1>en

Password: enpa55 R1#

R1#conf t

Enter configuration commands, one per line. End with CNTL/Z. R1(config)#zone security internal

R1(config-sec-zone)# R1#

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

R1#conf t

R1(config)#zone security internal R1(config-sec-zone)#ex R1(config)#zone security external R1(config-sec-zone)#ex R1(config)#ex

R1#show version

R1#conf t

Enter configuration commands, one per line. End with CNTL/Z. R1(config)#ip access-list extended 101

R1(config-ext-nacl)#permit ip 192.168.0.0 0.0.0.255 any R1(config-ext-nacl)#exit

R1#conf t

Enter configuration commands, one per line. End with CNTL/Z. R1(config)#ip access-list extended 101

R1(config-ext-nacl)#permit ip 192.168.0.0 0.0.0.255 any R1(config-ext-nacl)#exit

R1(config)#class-map type inspect match-all 101 R1(config-cmap)#match access-group name 101 R1(config-cmap)#exit

R1(config)#policy-map type inspect 101 R1(config-pmap)#class type inspect 101

R1(config-pmap-c)#inspect R1(config-pmap-c)#exit R1(config-pmap)#exit

R1(config)#zone-pair security 101 source internal destination external R1(config-sec-zone-pair)#service-policy type inspect 101

R1(config-sec-zone-pair)#ex R1(config)#interface gi 0/0

R1(config-if)#zone-member security internal R1(config-if)#ex

R1(config)#interface gi 0/1

R1(config-if)#zone-member security external R1(config-if)#ex

R1(config)#ex R1#

R1#copy running-config Startup-config Destination filename [startup-config]? Building configuration...

[OK] R1#

Step 3 :- Click on PC C  Desktop  Command Prompt  Ping 10.10.10.2

Step 4 :- Click on Server  Desktop  Command Prompt  192.168.0.2