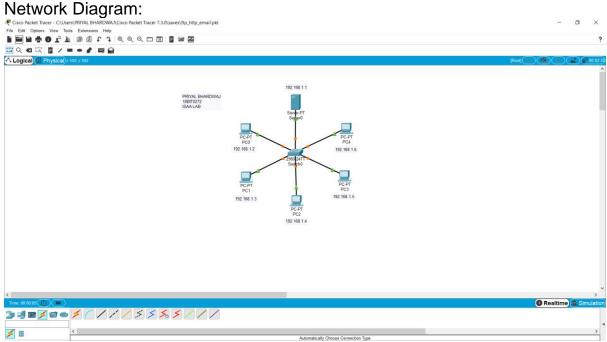


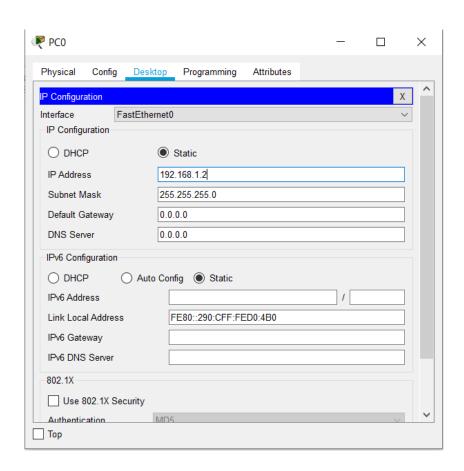
School of Information Technology and Engineering Lab Assessment-II, AUGUST 2020 B.Tech., Fall-2020-2021

NAME	PRIYAL BHARDWAJ
REG. NO.	18BIT0272
COURSE CODE	CSE3501
COURSE NAME	INFORMATION SECURITY ANALYSIS & AUDIT
SLOT	L19+L20
FACULTY	Prof. THANDEESWARAN R.

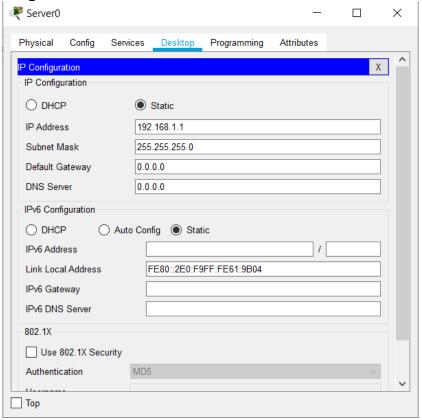
Using Cisco Packet Tracer simulation tool, complete the following tasks: Draw a network of 5 PCs, Server and connecting device(s) like Switch to configure various servers (FTP, HTTP, EMAIL SERVER and DHCP).



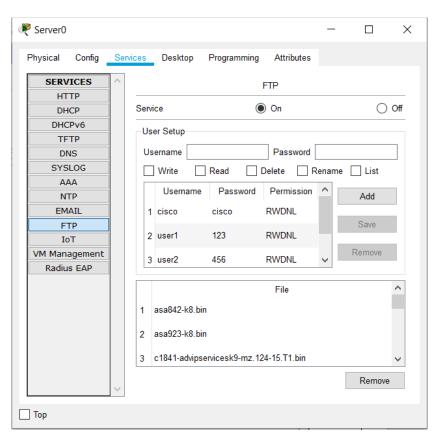
PCs IP Configuration:



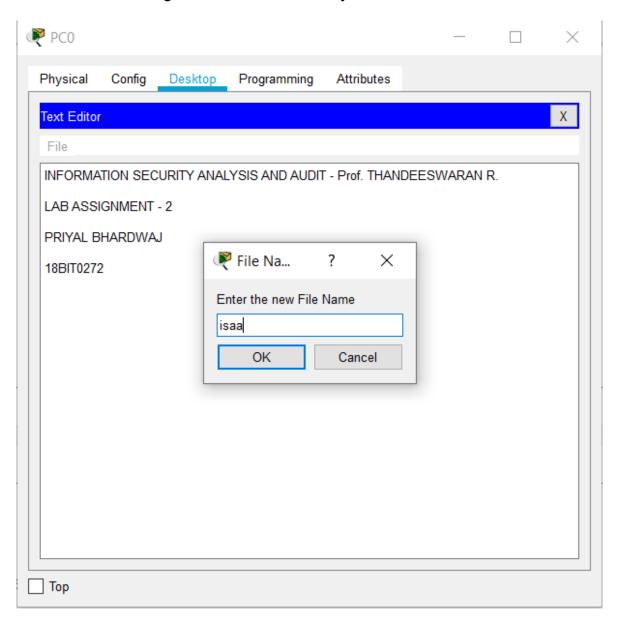
Server IP Configuration:



Creating 2 users in FTP Server:



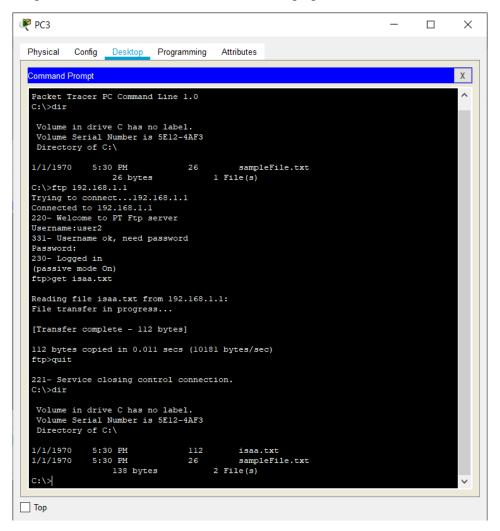
FTP Server: Creating new text file in PC0 by the name "isaa.txt"



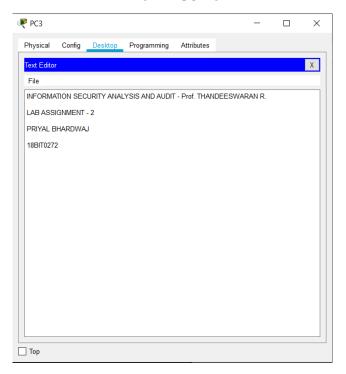
Uploading "isaa.txt" to Server0 from PC0 using "put" command:

```
PC0
                                                                                   \times
 Physical
          Config
                  Desktop
                           Programming
                                         Attributes
 Command Prompt
                                                                                         Χ
 Packet Tracer PC Command Line 1.0
  C:\>dir
   Volume in drive C has no label.
   Volume Serial Number is 5E12-4AF3
   Directory of C:\
  1/1/1970
              5:30 PM
                                            isaa.txt
  1/1/1970
              5:30 PM
                                            sampleFile.txt
                 138 bytes
                                       2 File(s)
  C:\>ftp 192.168.1.1
  Trying to connect...192.168.1.1
  Connected to 192.168.1.1
  220- Welcome to PT Ftp server
  Username:userl
  331- Username ok, need password
  Password:
  230- Logged in
  (passive mode On)
  ftp>put isaa.txt
  Writing file isaa.txt to 192.168.1.1:
  File transfer in progress...
  [Transfer complete - 112 bytes]
  112 bytes copied in 0.081 secs (1382 bytes/sec)
  Listing /ftp directory from 192.168.1.1:
     : asa842-k8.bin
      : asa923-k8.bin
                                                             30468096
      : c1841-advipservicesk9-mz.124-15.T1.bin
                                                             33591768
      : c1841-ipbase-mz.123-14.T7.bin
                                                             13832032
      : c1841-ipbasek9-mz.124-12.bin
                                                            16599160
      : c1900-universalk9-mz.SPA.155-3.M4a.bin
                                                             33591768
      : c2600-advipservicesk9-mz.124-15.T1.bin
                                                             33591768
      : c2600-i-mz.122-28.bin
                                                             5571584
      : c2600-ipbasek9-mz.124-8.bin
                                                            13169700
      : c2800nm-advipservicesk9-mz.124-15.T1.bin
                                                            50938004
      : c2800nm-advipservicesk9-mz.151-4.M4.bin
  10
                                                            33591768
      : c2800nm-ipbase-mz.123-14.T7.bin
                                                             5571584
      : c2800nm-ipbasek9-mz.124-8.bin
                                                            15522644
  13
      : c2900-universalk9-mz.SPA.155-3.M4a.bin
                                                             33591768
  14
      : c2950-i6q412-mz.121-22.EA4.bin
                                                             3058048
  15
      : c2950-i6q412-mz.121-22.EA8.bin
                                                             3117390
  16
      : c2960-lanbase-mz.122-25.FX.bin
                                                             4414921
      : c2960-lanbase-mz.122-25.SEE1.bin
                                                             4670455
      : c2960-lanbasek9-mz.150-2.SE4.bin
  18
                                                            4670455
  19
      : c3560-advipservicesk9-mz.122-37.SE1.bin
                                                             8662192
  20
      : c3560-advipservicesk9-mz.122-46.SE.bin
                                                             10713279
      : c800-universalk9-mz.SPA.152-4.M4.bin
                                                             33591768
  22
      : c800-universalk9-mz.SPA.154-3.M6a.bin
                                                             83029236
      : cat3k_caa-universalk9.16.03.02.SPA.bin
                                                             505532849
  24
      : cgr1000-universalk9-mz.SPA.154-2.CG
                                                             159487552
      : cgrl000-universalk9-mz.SPA.156-3.CG
                                                             184530138
      : ir800-universalk9-bundle.SPA.156-3.M.bin
                                                             160968869
      : ir800-universalk9-mz.SPA.155-3.M
                                                             61750062
                                                             63753767
  28
      : ir800-universalk9-mz.SPA.156-3.M
      : ir800_yocto-1.7.2.tar
: ir800_yocto-1.7.2_python-2.7.3.tar
  29
                                                             2877440
  30
                                                             6912000
        pt1000-i-mz.122-28.bin
                                                             5571584
        pt3000-i6q412-mz.121-22.EA4.bin
Top
```

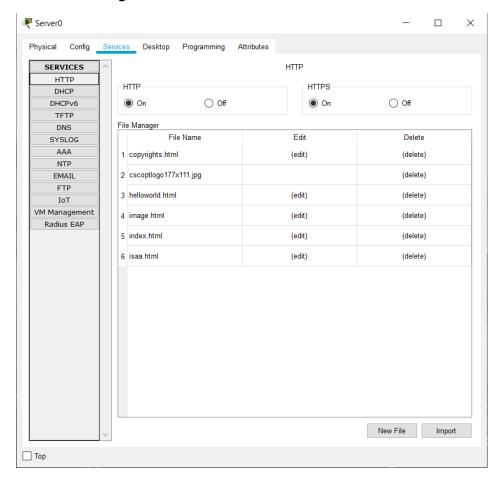
Downloading "isaa.txt" from Server0 in PC3 using "get" command:



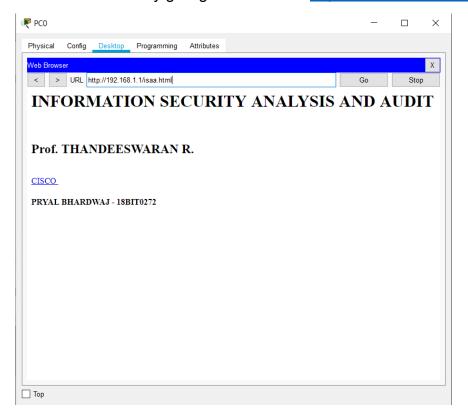
Contents of "isaa.txt" can be viewed from PC3 now:



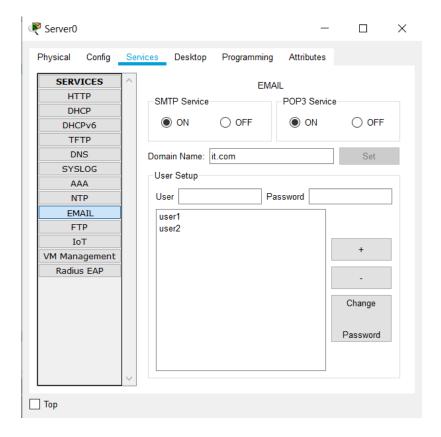
HTTP Server: Creating new html file "isaa.html" in Server0



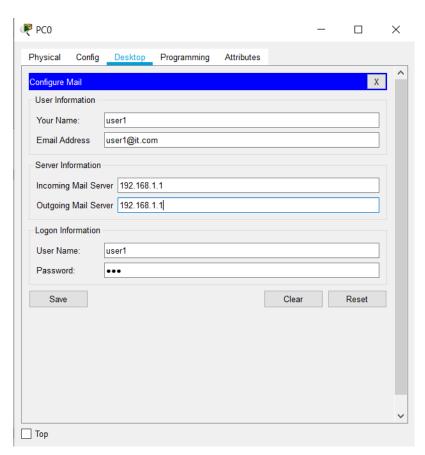
Viewing "isaa.html" from PC0 by giving Server URL - http://192.168.1.1/isaa.html



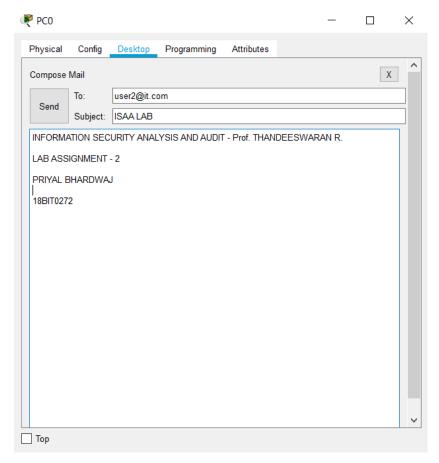
EMAIL Server: Setting domain as "it.com" and creating 2 users



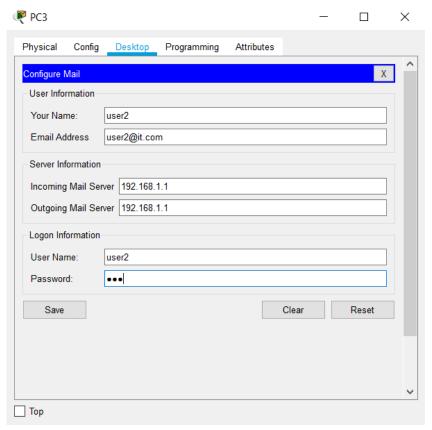
Configure mail for user1 in PC0:



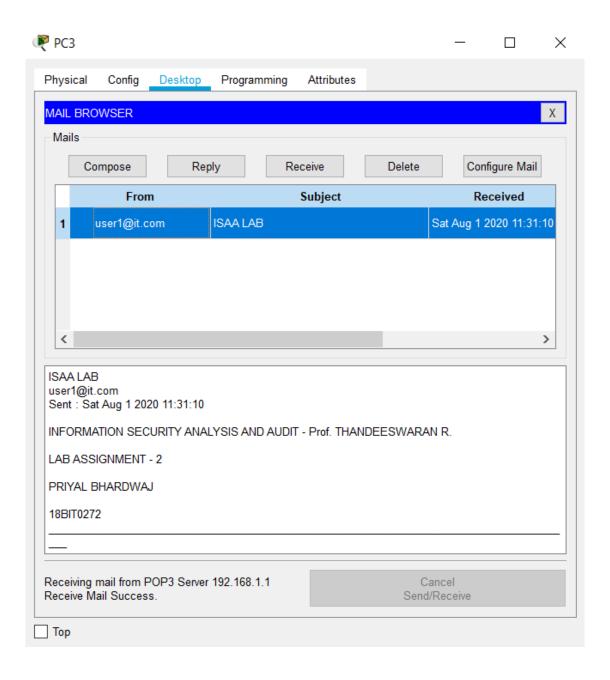
Sending email to user2:



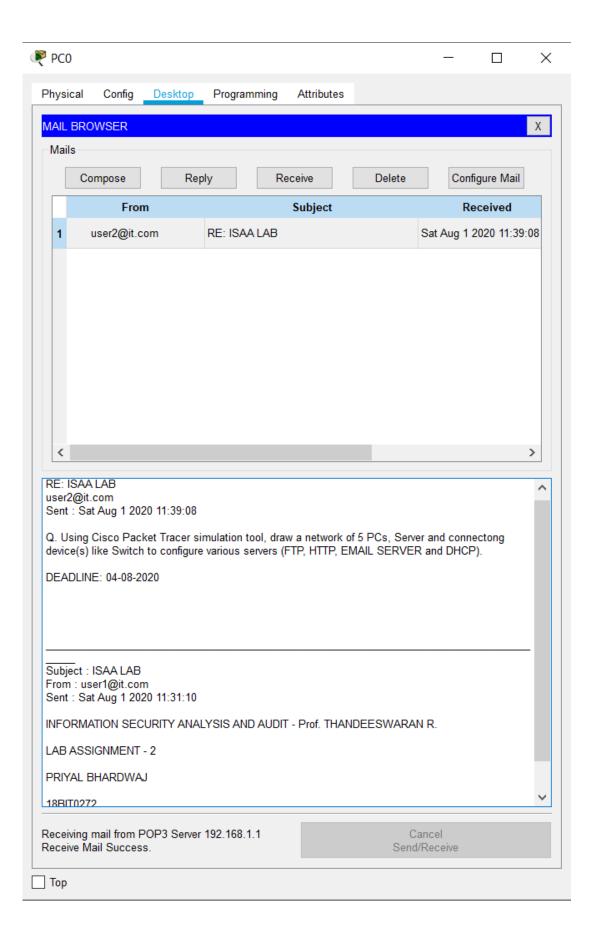
Configure mail for user2 in PC3:



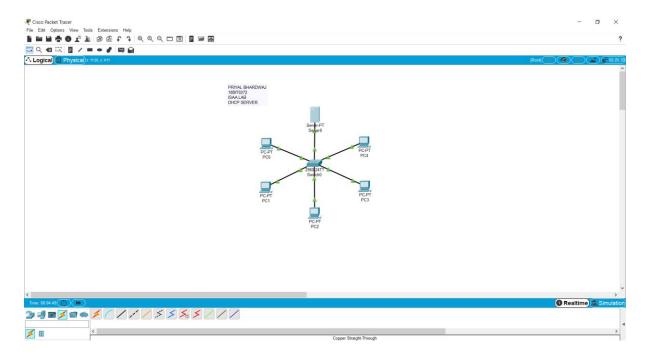
Viewing received mail from user1 in PC3:



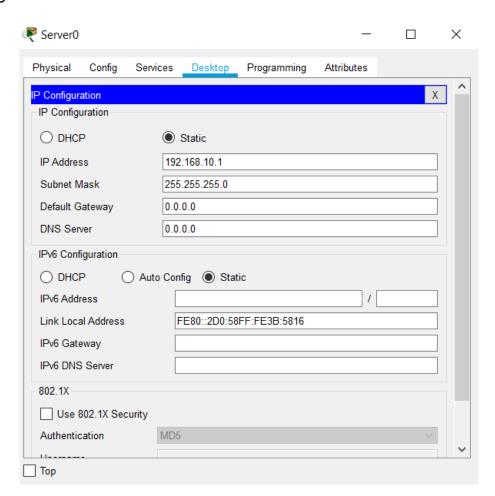
Sending reply to user1 from user2 in PC3 and viewing the reply in PC0:



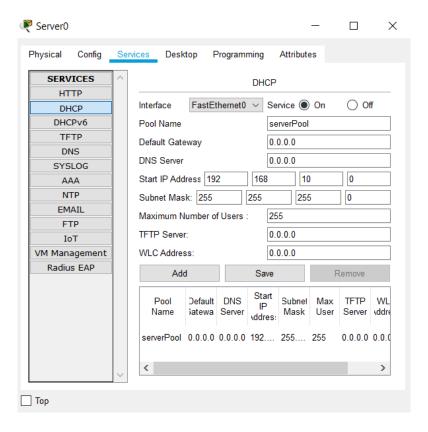
DHCP Server Configuration:



Setting IP Address and Subnet Mask in Server: 192.168.10.1

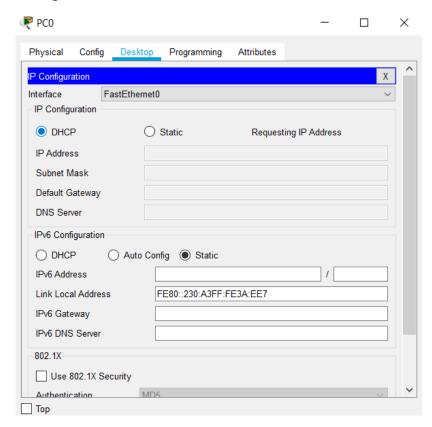


Turning DHCP Service ON:

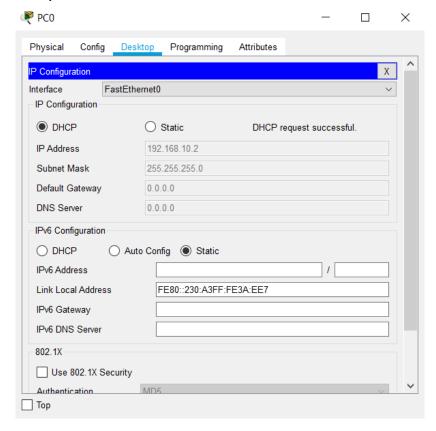


Setting all PCs "Gateway/DNS" setting to DHCP:

• Requesting IP Address:

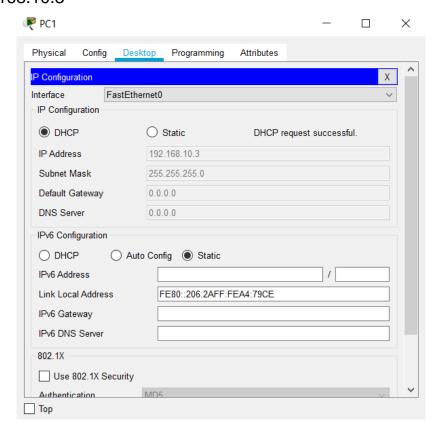


DHCP request successful – PC0: 192.168.10.2

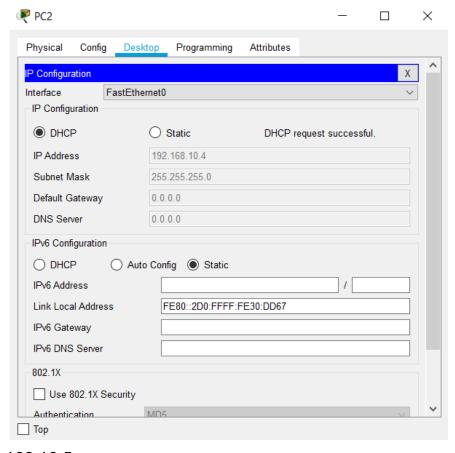


Similarly, all PCs have been dynamically assigned an IP Address by the DHCP server.

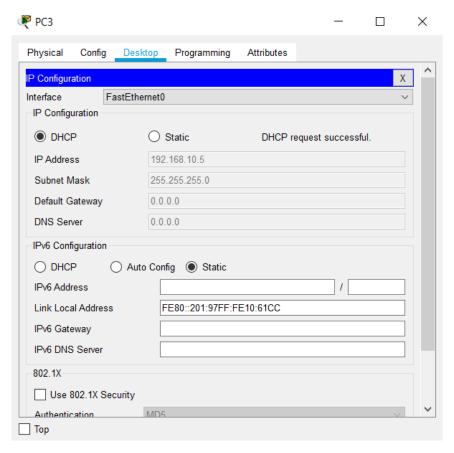
PC1: 192.168.10.3



PC2: 192.168.10.4



PC3: 192.168.10.5



PC4: 192.168.10.6

