1-

```
samir@samir-VirtualBox:~$ sudo apt install vsftpd
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  systemd-hwe-hwdb
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
  vsftpd
0 upgraded, 1 newly installed, 0 to remove and 259 not upgraded.
Need to get 123 kB of archives.
After this operation, 326 kB of additional disk space will be used.
Get:1 http://eg.archive.ubuntu.com/ubuntu jammy/main amd64 vsftpd amd64 3.0.5-0ubuntu1 [123 kB]
Fetched 123 kB in 1s (191 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
```

2-

```
samir@samir-VirtualBox:~$ sudo iptables -t filter -A INPUT -p tcp --dport 20 -j ACCEPT
samir@samir-VirtualBox:~$ sudo iptables -t filter -A INPUT -p tcp --dport 21 -j ACCEPT
samir@samir-VirtualBox:~$
```

3-

```
samir@samir-VirtualBox:~$ ftp localhost
Connected to localhost.
220 (vsFTPd 3.0.5)
Name (localhost:samir): samir
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
229 Entering Extended Passive Mode (|||11844|)
150 Here comes the directory listing.
drwxr-xr-x    2 1000      1000          4096 Feb 20 00:33 Desktop
drwxr-xr-x    2 1000      1000          4096 Feb 08 23:28 Documents
drwxr-xr-x    2 1000      1000          4096 Feb 08 23:28 Downloads
drwxr-xr-x    2 1000      1000          4096 Feb 08 23:28 Music
drwxr-xr-x    3 1000      1000          4096 Feb 20 00:32 Pictures
drwxr-xr-x    2 1000      1000          4096 Feb 08 23:28 Public
drwxr-xr-x    2 1000      1000          4096 Feb 08 23:28 Templates
drwxr-xr-x    2 1000      1000          4096 Feb 08 23:28 Videos
drwxrwxr-x    2 1003      1000          4096 Feb 20 00:59 mydir1
drwxrwxr-x    2 1004      1000          4096 Feb 20 00:59 mydir2
-rw-rw-r--    1 1000      1000             0 Apr 11 00:03 myfile.zip
drwxrwxr-x    2 1000      1003          4096 Feb 20 00:28 os_team_workspace
drwx------    5 1000      1000          4096 Mar 31 21:06 snap
226 Directory send OK.
ftp>
```

4-

```
samir@samir-VirtualBox:~$ sudo ufw enable
Firewall is active and enabled on system startup
samir@samir-VirtualBox:~$ 
```

5-

```
samir@samir-VirtualBox:~$ sudo ufw deny 20/tcp
Rule added
Rule added (v6)
samir@samir-VirtualBox:~$ sudo ufw deny 21/tcp
Rule added
Rule added (v6)
samir@samir-VirtualBox:~$ 
```

6-

```
samir@samir-VirtualBox:~$ sudo ufw deny 20/tcp
Rule added
Rule added (v6)
samir@samir-VirtualBox:~$ sudo ufw deny 21/tcp
Rule added
Rule added (v6)
samir@samir-VirtualBox:~$ 
```

7-

```
samir@samir-VirtualBox:~$ ftp localhost
Connected to localhost.
220 (vsFTPd 3.0.5)
Name (localhost:samir): samir
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX
```

8-

```
samir@samir-VirtualBox:~$ sudo tail  /var/log//kern.log
Apr 11 00:01:20 samir-VirtualBox kernel: [  430.002335] audit: type=1400 audit(1681164080.227:72): apparmor="STATUS" operation="profile_replace"
hook.configure" pid=3519 comm="apparmor_parser"
Apr 11 00:01:20 samir-VirtualBox kernel: [  430.750394] audit: type=1400 audit(1681164080.974:73): apparmor="STATUS" operation="profile_replace"
snapd-desktop-integration" pid=3520 comm="apparmor_parser"
Apr 11 00:01:21 samir-VirtualBox kernel: [  430.945982] audit: type=1400 audit(1681164081.170:74): apparmor="STATUS" operation="profile_replace"
ed" name="snap-update-ns.snapd-desktop-integration" pid=3518 comm="apparmor_parser"
Apr 11 00:05:45 samir-VirtualBox kernel: [  695.048478] audit: type=1400 audit(1681164345.328:75): apparmor="DENIED" operation="open" class="fil
37 comm="5" requested_mask="r" denied_mask="r" fsuid=0 ouid=0
Apr 11 00:05:45 samir-VirtualBox kernel: [  695.116793] audit: type=1400 audit(1681164345.400:76): apparmor="DENIED" operation="open" class="fil
37 comm="5" requested_mask="r" denied_mask="r" fsuid=0 ouid=0
Apr 11 00:06:04 samir-VirtualBox kernel: [  714.593032] audit: type=1326 audit(1681164364.877:77): auid=1000 uid=1000 gid=1000 ses=2 subj=snap.f
487/usr/lib/firefox/firefox" sig=0 arch=c000003e syscall=314 compat=0 ip=0x7f69e55a873d code=0x50000
Apr 11 00:17:02 samir-VirtualBox kernel: [ 1372.243090] [UFW BLOCK] IN=enp0s3 OUT= MAC=08:00:27:d0:9a:f1:52:54:00:12:35:02:08:00 SRC=102.132.97.
 PROTO=TCP SPT=443 DPT=38486 WINDOW=65535 RES=0x00 ACK PSH URGP=0
Apr 11 00:17:04 samir-VirtualBox kernel: [ 1373.744498] [UFW BLOCK] IN=enp0s3 OUT= MAC=08:00:27:d0:9a:f1:52:54:00:12:35:02:08:00 SRC=102.132.97.
 PROTO=TCP SPT=443 DPT=38486 WINDOW=65535 RES=0x00 ACK PSH URGP=0
Apr 11 00:17:07 samir-VirtualBox kernel: [ 1376.746936] [UFW BLOCK] IN=enp0s3 OUT= MAC=08:00:27:d0:9a:f1:52:54:00:12:35:02:08:00 SRC=102.132.97.
 PROTO=TCP SPT=443 DPT=38486 WINDOW=65535 RES=0x00 ACK PSH URGP=0
Apr 11 00:17:13 samir-VirtualBox kernel: [ 1382.752089] [UFW BLOCK] IN=enp0s3 OUT= MAC=08:00:27:d0:9a:f1:52:54:00:12:35:02:08:00 SRC=102.132.97.
```

9-

```
 PROTO=TCP SPT=443 DPT=38486 WINDOW=65535 RES=0x00 ACK PSH URGP=0
samir@samir-VirtualBox:~$ sudo apt install nfs-kernel-server
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontend. It is held by process 8166 (unattended-upgr)
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontend. It is held by process 8166 (unattended-upgr)
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontend. It is held by process 8166 (unattended-upgr)
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontend. It is held by process 8166 (unattended-upgr)
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontend. It is held by process 8166 (unattended-upgr)
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontend. It is held by process 8166 (unattended-upgr)
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontend. It is held by process 8166 (unattended-upgr)
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontend. It is held by process 8166 (unattended-upgr)
Waiting for cache lock: Could not get lock /var/lib/dpkg/lock-frontend. It is held by process 8166 (unattended-upgr)
```

10-

```
samir@samir-VirtualBox:~$ sudo ufw allow 2049/tcp
Rule added
Rule added (v6)
samir@samir-VirtualBox:~$ sudo ufw allow 2049/tcp
Skipping adding existing rule
Skipping adding existing rule (v6)
samir@samir-VirtualBox:~$ sudo ufw allow 2049/udp
Rule added
Rule added (v6)
samir@samir-VirtualBox:~$
```

11-

```
samir@samir-VirtualBox:~$ sudo nano /etc/exports
samir@samir-VirtualBox:~$ sudo exportfs -a
```

12-

```
samir@samir-VirtualBox:~$ sudo mkdir /mnt/myshare
samir@samir-VirtualBox:~$ sudo mount loaclhost:tmp/shares /mnt/myshare
```

13-

```
$ sudo cp /home/samir/Desktop/iti-0/file2.html/mnt/myshare
```

14-

```
samir@samir-VirtualBox:~$ sudo iptables-save > /tmp/itables--backup
```