

Question 5


- 1) Make directory testdirectory using command
sudo mkdir /var/www/html/testdirectory

```
el-ghannam@muhammed-VMware:/etc/apache2$ sudo mkdir /var/www/html/testdirectory
```

- 2) create file index.html inside test directory

```
el-ghannam@muhammed-VMware:/etc/apache2$ sudo nano /var/www/html/testdirectory/index.html  
[sudo] password for el-ghannam:
```

write html simple code then save and exit



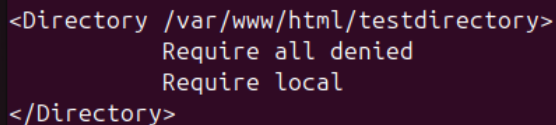
```
GNU nano 7.2 /var/www/html/testdirectory/index.html  
<html>  
  <body>  
    <h1> welcome to test </h2>  
  </body>  
</html>
```

- 3) Edit [apache2.conf] file (Write command) =>
sudo nano /etc/apache2/apache2.conf

```
el-ghannam@muhammed-VMware:/etc/apache2$ sudo nano apache2.conf
```

- 4) write

```
<Directory /var/www/html/testdirectory>  
  Options Indexes FollowSymLinks  
  AllowOverride None  
  Required local  
</Directory>
```



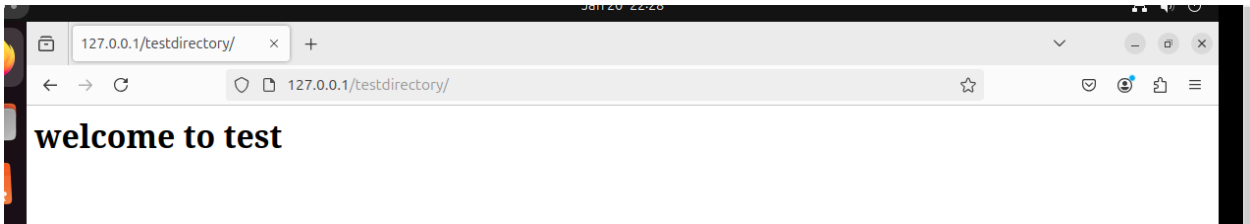
```
<Directory /var/www/html/testdirectory>  
  Require all denied  
  Require local  
</Directory>
```

Then save the file and exit

- 5) restart apache by command
sudo systemctl restart apache2

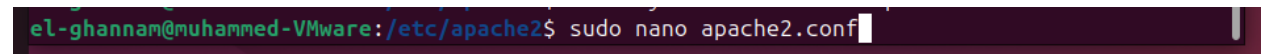
```
el-ghannam@muhammed-VMware:/etc/apache2$ sudo systemctl restart apache2
```

- 6) open browser and request testdirectory



- 7) To allow access for a specific ip (fake ip)

```
sudo nano /etc/apache2/apache2.conf
```



- 8) Then write

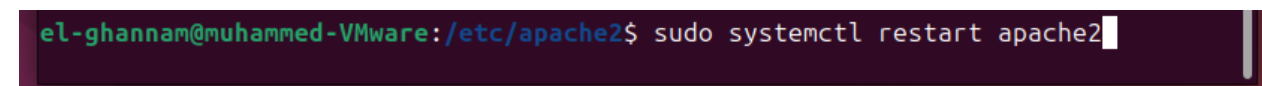
```
<Directory /var/www/html/testdirectory>
    Options Indexes FollowSymLinks
    AllowOverride None
    Required ip 1.2.3.4
</Directory>
```

```
<Directory /var/www/html/testdirectory>
    Require all denied
    Require ip 1.2.3.4
</Directory>
```

Then save the file and exit

- 9) restart apache by command

```
sudo systemctl restart apache2
```



- 10) open browser and request testdirectory (error because the ip is fake)

