Names :
1- Ahmed Fawzy
2-Abdelrahman Ahmed AbdElhady
3-Moataz Ibrahim
4-Abdelrahman Ayman Fathy

1. Install Apache HTTP server

2. Create two simple html pages named "page1.html, page2.html" then use the suitable directive to automatically redirect from localhost/page1.html to localhost/page2.html

```html
<html>
<head>
<meta http-equiv="refresh" content="5;url=http://localhost/ahmed/page2.html">

</head>
<body>
<p>page1</p>
</body>
</html>
```

```
</Directory>
<Directory /var/www/html/ahmed>
        Redirect □/page1.html /page2.html
</Directory>
#<Directory /srv/>
#        Options Indexes FollowSymLinks
#        AllowOverride None
#        Require all granted
```
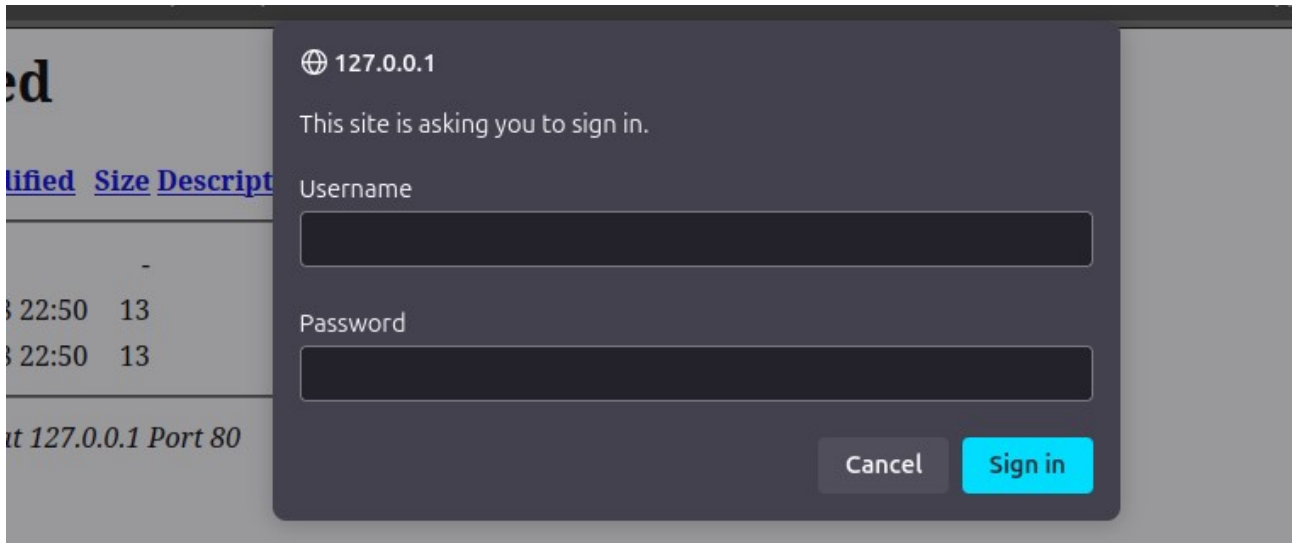
3. Ask for user name and password when accessing a directory

```
</Directory>
     <Directory /var/www/html/qone>
AuthType Basic
AuthName "Please Enter your name"
AuthUserFile /var/www/html/.htpasswd
Require vaild-user
</Directory>
```


4. Apply authentication before downloading PDF files.

```
<FilesMatch "\.pdf$">
        AuthName "Premission Required"
        AuthUserFile /var/www/html/ahmed/.htpasswd
        Require valid-user
        AuthType Basic

</FilesMatch>
```

5. Create a directory then allow access to one of your classmates only.

```
moataz07@Moataz:/etc/apache2$ cd /var/www/html
moataz07@Moataz:/var/www/html$ sudo mkdir test
moataz07@Moataz:/var/www/html$ sudo nano apache2.conf
moataz07@Moataz:/var/www/html$ cd /etc/apache2
moataz07@Moataz:/etc/apache2$ sudo nano apache2.conf
moataz07@Moataz:/etc/apache2$ sudo systemctl restart apache2
moataz07@Moataz:/etc/apache2$ sudo nano apache2.conf
moataz07@Moataz:/etc/apache2$ sudo systemctl restart apache2
```

```
<Directory /var/www/html/test>
        Order Deny,Allow
        Deny from all
        Allow from 127.0.0.1
</Directory>

#<Directory /srv/>
```

6. Disable listing the directory content (hint use indexs)

Forbidden

You don't have permission to access this resource.

___

Apache/2.4.58 (Ubuntu) Server at 127.0.0.1 Port 80

```
moataz07@Moataz:/etc/apache2$ cd /var/www/html
moataz07@Moataz:/var/www/html$ sudo mkdir dise
moataz07@Moataz:/var/www/html$ cd dise
moataz07@Moataz:/var/www/html/dise$ sudo touch page1.html
moataz07@Moataz:/var/www/html/dise$ sudo touch page2.html
moataz07@Moataz:/var/www/html/dise$ cd /etc/apache2
moataz07@Moataz:/etc/apache2$ sudo nano apache2.conf
moataz07@Moataz:/etc/apache2$ sudo systemctl restart apache2
```

```
<Directory /var/www/html/dise>
          Options -indexes
</Directory>


▯

^G Help        ^O Write Out   ^W Where Is    ^K Cut         ^T Execute
```