```
===============================================================================
=                        Mohamed Ahmed Mohamed Abd Elgani                     =
=                                 lab1 apache                                  =
===============================================================================
```

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.

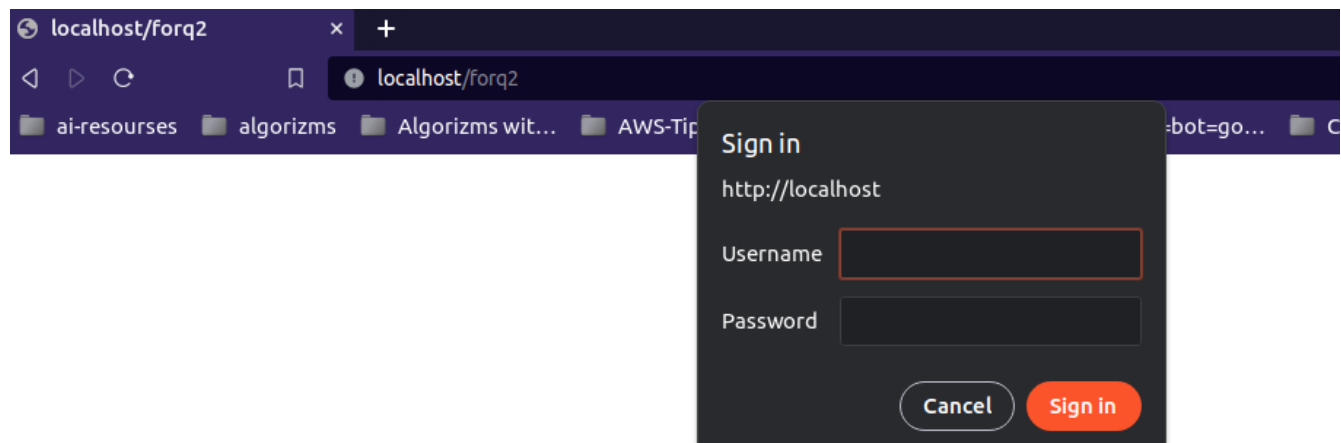
```
sok    /var/www/html      16:33    ls
./ ../  classmates/ forpdf/ index.html  new/  page1.html  page2.html

sok    /var/www/html      16:33
 0
 1   <Location "/page1.html">
 2       Redirect "/page2.html"
 3   </Location>
 4
```
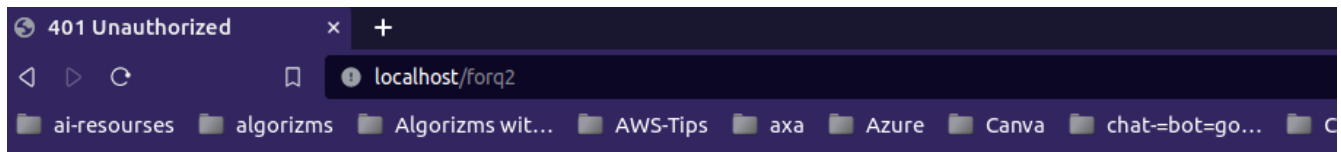
3. Ask for user name and password when accessing a directory

```
#task3
<Directory /forq2>
    AuthType Basic
    AuthName "Login dir for q2"
    AuthUserFile /etc/.htpasswd
    Require valid-user
    Order allow,deny
    Allow from all
</Directory>
```

Unauthorized

This server could not verify that you are authorized to access the document requested. Either you supplied the wrong credentials (e.g., bad pass
supply the credentials required.

Apache/2.4.52 (Ubuntu) Server at localhost Port 80
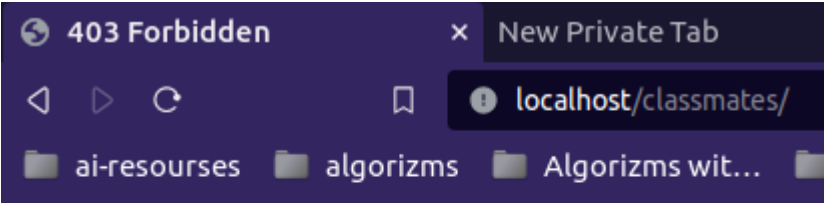
4. Apply authentication before downloading PDF files.

```
<FilesMatch "\.pdf$">
    AuthType Basic
    AuthName "Restricted Access"
    AuthUserFile /etc/.htpasswd
    Require valid-user
</FilesMatch>
```

Sign in

http://localhost

Username

Password

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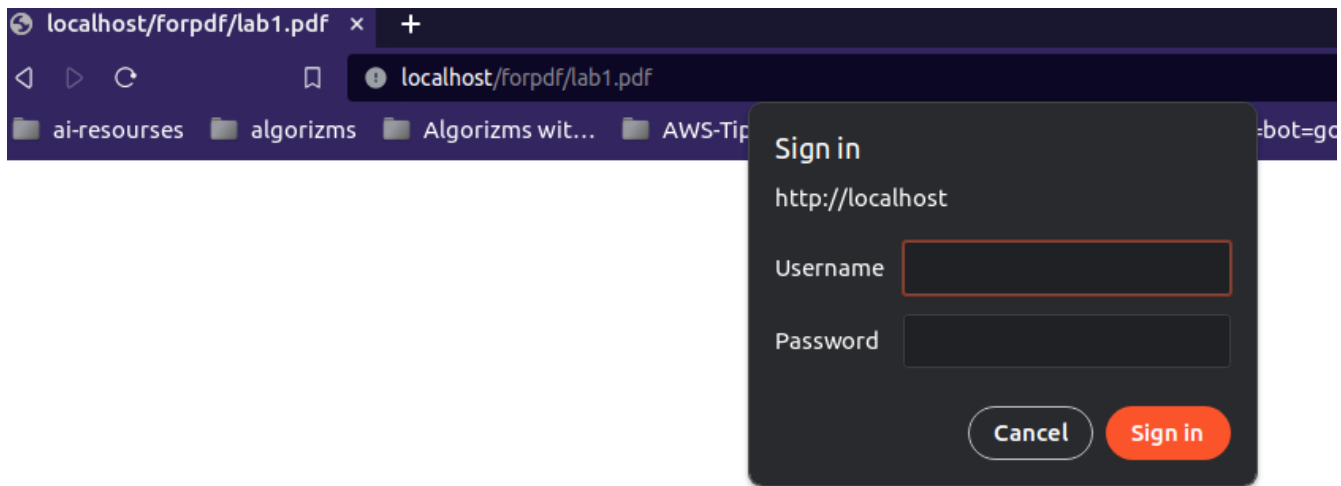
5. Create a directory then allow access to one of your classmates only.

```
<Directory /var/www/html/classmates>
    Deny from all
    Allow from 192.168.1.4
    order deny,allow
</Directory>
```

403 Forbidden   ×   New Private Tab

localhost/classmates/
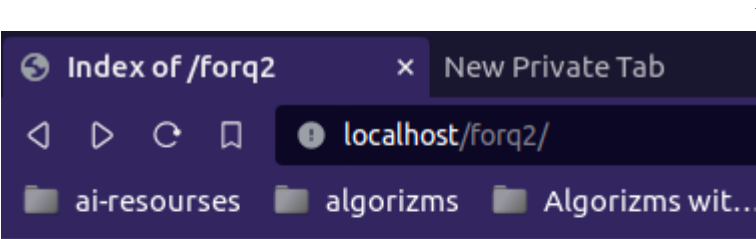
ai-resourses   algorizms   Algorizms wit...

Forbidden

You don't have permission to access this resource.

Apache/2.4.52 (Ubuntu) Server at localhost Port 80

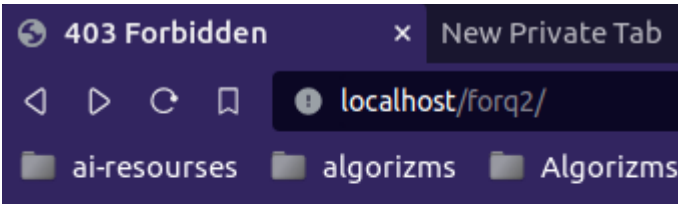**6. Disable listing the directory content (hint use indexes)**

before -- → after

Index of /forq2   ×   New Private Tab

localhost/forq2/

ai-resourses   algorizms   Algorizms wit..

Index of /forq2

Name	Last modified	Size	Description
Parent Directory		-	
q2.html	2024-01-25 16:35	261	

403 Forbidden   ×   New Private Tab

localhost/forq2/

ai-resourses   algorizms   Algorizms

Forbidden

You don't have permission to access this resource.

Apache/2.4.52 (Ubuntu) Server at localhost Port 80

```
<Directory /var/www/>
    Options -Indexes
    #Options Indexes FollowSymLinks
    AllowOverride none
    Require all granted
</Directory>
```

7. Change the default index page to be default.html instead of index.html (use DirectoryIndex)

```
<Directory /var/www/>
    #Options -Indexes
    Options Indexes FollowSymLinks
    DirectoryIndex default.html
    AllowOverride none
    Require all granted
</Directory>
```

Index of /   ×   New Private Tab

localhost

ai-resourses   algorizms   Algorizms wit...
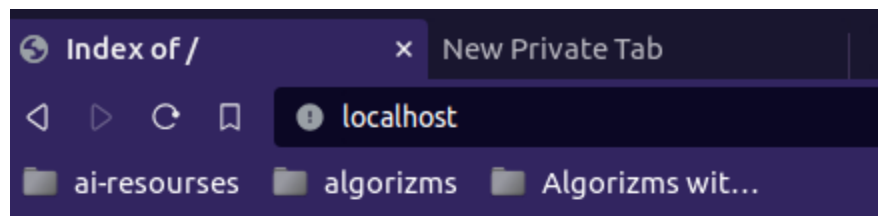
Index of /

Name	Last modified	Size	Description
forpdf/	2024-01-25 16:26	-	
forq2/	2024-01-25 17:15	-	
index.html	2024-01-25 16:02	315	
new/	2024-01-25 16:18	-	
page1.html	2024-01-25 16:02	341	
page2.html	2024-01-25 16:02	341	

Apache/2.4.52 (Ubuntu) Server at localhost Port 80