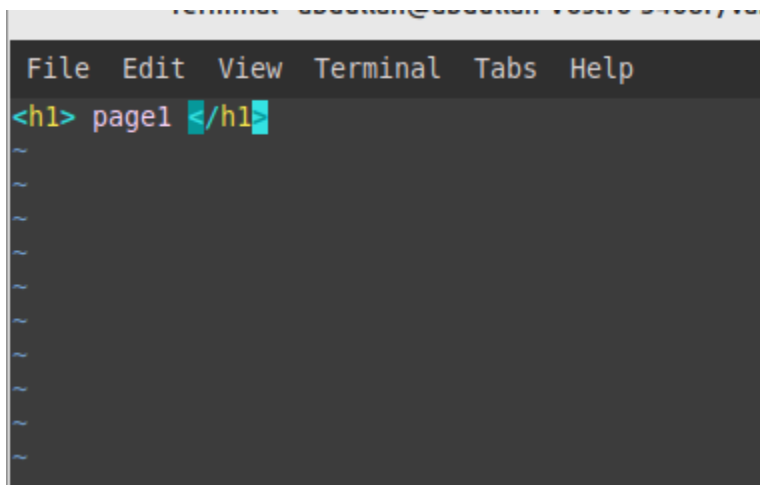2 -

```
abdullah@abdullah-Vostro-5468:/var/www/html/website1$ sudo vi page1.html
```

File   Edit   View   Terminal   Tabs   Help

`<h1> page1 </h1>`

~
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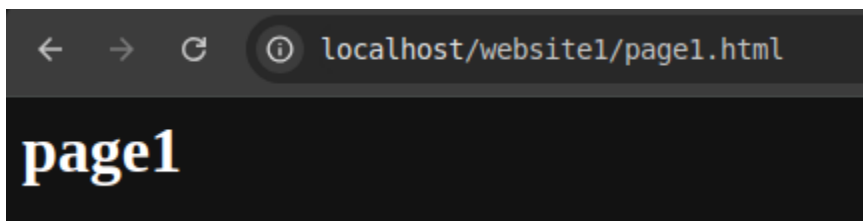← → C   ⓘ localhost/website1/page1.html

page1
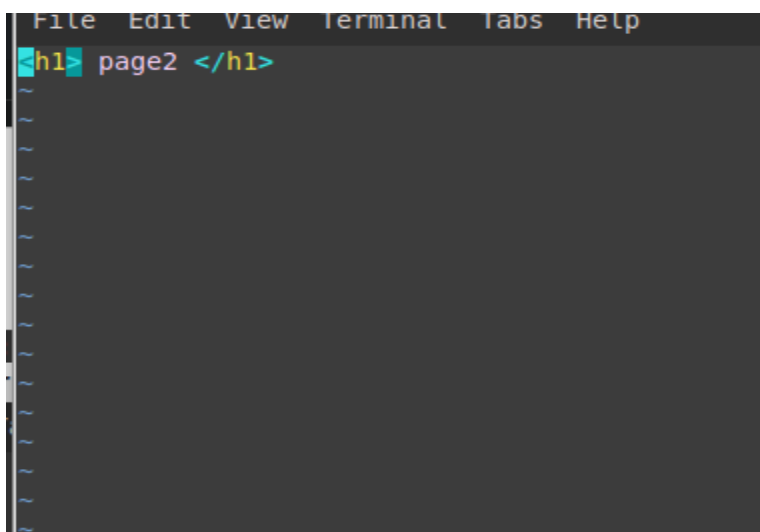
```
abdullah@abdullah-Vostro-5468:/var/www/html/website1$ sudo vi page2.html
```

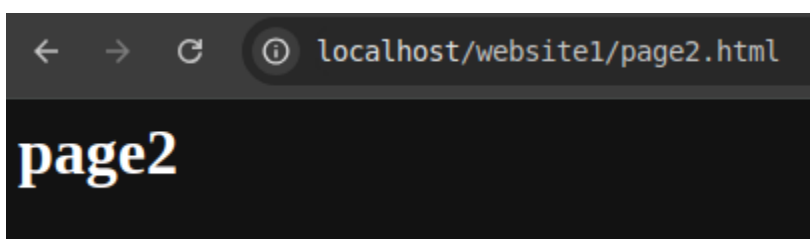File   Edit   View   Terminal   Tabs   Help

`<h1> page2 </h1>`

~
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← → C   ⓘ localhost/website1/page2.html

page2

```
abdullah@abdullah-Vostro-5468:/etc/apache2/sites-available$ sudo vi 000-default.conf
```

```
        DocumentRoot /var/www/html

        <Directory /var/www/html>
                AllowOverride All
         </Directory>
        # Available loglevels: trace8, ..., trace1, debu
```

```
abdullah@abdullah-Vostro-5468:~$ sudo vi /var/www/html/website1/.htaccess
```

```
 File  Edit  View  Terminal  Tabs  Help
Redirect 301 /website1/page1.html /website1/page2.html
```

```
abdullah@abdullah-Vostro-5468:~$ sudo systemctl restart apache2
```

Name	Status	Type	Initiator
page1.html	301	document /…	Other
page2.html	200	document	page1.html

3-

```
abdullah@abdullah-Vostro-5468:~$ sudo htpasswd -c /etc/apache2/.htpasswd abdo
New password:
Re-type new password:
Adding password for user abdo
```

```
abdullah@abdullah-Vostro-5468:~$ cat /etc/apache2/.htpasswd
abdo:$apr1$.axCjfQ5$GvjGrcJbT3sI33ZhnAl3A/
```

```
 File  Edit  View  Terminal  Tabs  Help
Redirect 301 /website1/page1.html /website1/page2.html

AuthType Basic
AuthName "Restricted Access"
AuthUserFile /var/www/html/.htpasswd
Require valid-user
```

4-
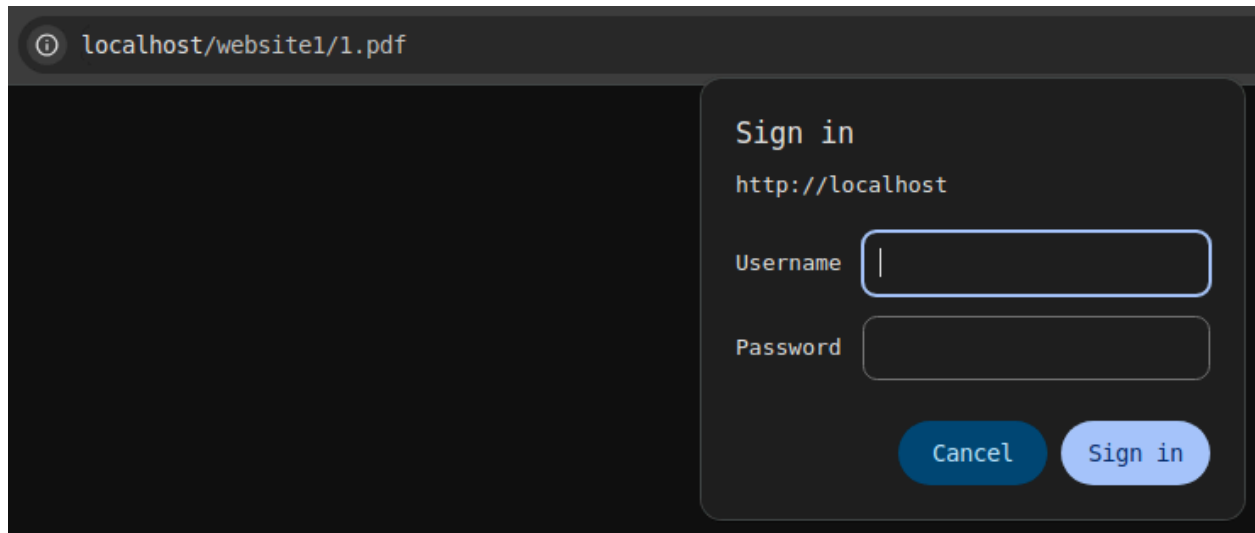
```
<FilesMatch "\.pdf$">
AuthType Basic
AuthName "secret pdfs"
AuthUserFile /var/www/html/.htpasswd
Require valid-user
</FilesMatch>
```

localhost/website1/

Index of /website1

Name	Last modified	Size	Description
Parent Directory		-	
page1.html	2025-04-26 20:33	17	
page2.html	2025-04-26 14:19	17	

Apache/2.4.52 (Ubuntu) Server at localhost Port 80

Sign in

http://localhost
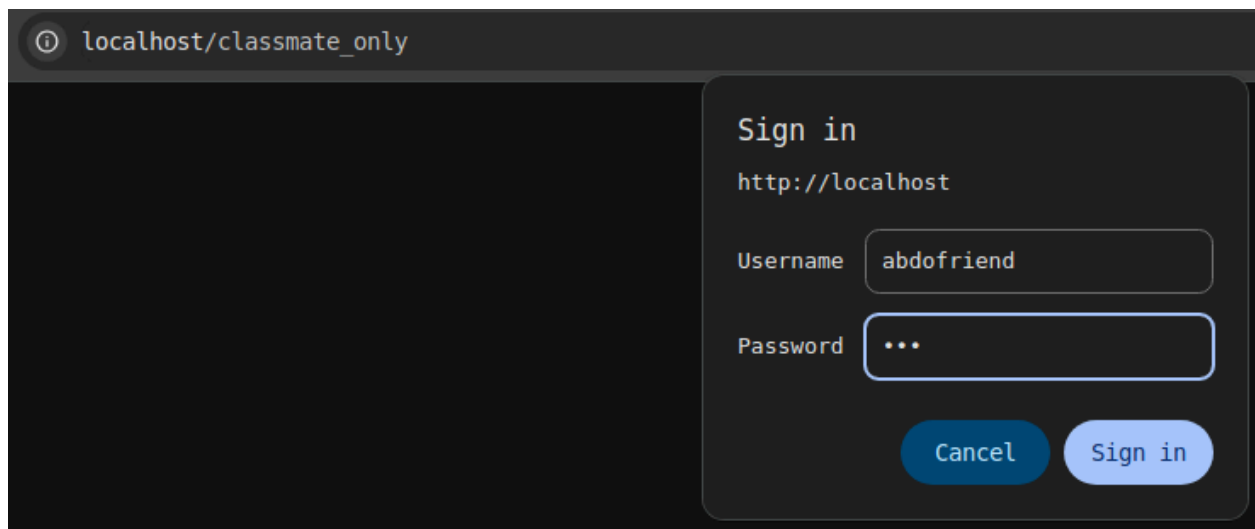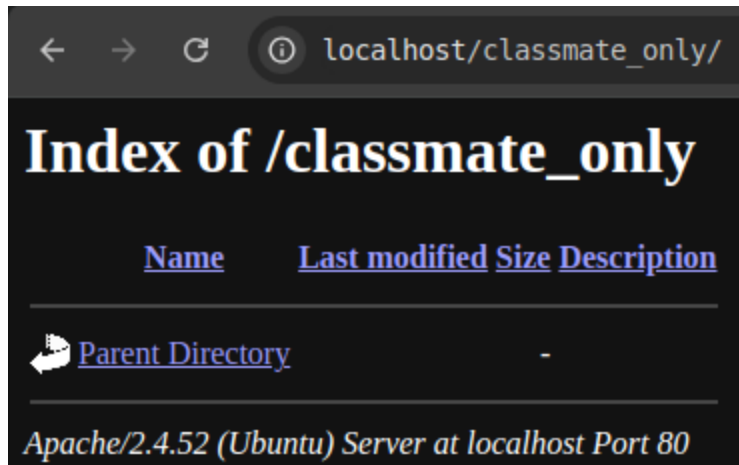
Username | |

Password | |

Cancel   Sign in

5 -

```
abdullah@abdullah-Vostro-5468:~$ cat /etc/apache2/.abdosfriend
abdofriend:$apr1$6R7UOgdi$TytRrnFizofyCvzIONsts.
```
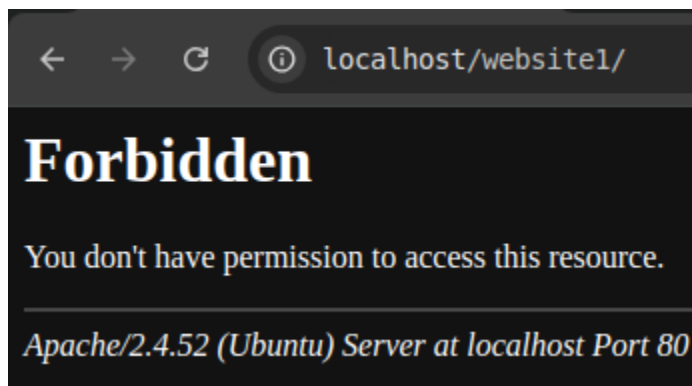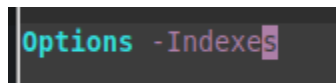
```
abdullah@abdullah-Vostro-5468:/var/www/html/classmate_only$ sudo vi .htaccess
```

```
File   Edit   View   Terminal   Tabs   Help
AuthType Basic
AuthName "Classmate Only"
AuthUserFile "/etc/apache2/.abdosfriend"
Require user abdofriend
```

localhost/classmate_only

Sign in

http://localhost

Username | abdofriend |

Password | ••• |

Cancel   Sign in

Index of /classmate_only

localhost/classmate_only/

Name	Last modified	Size	Description
Parent Directory		-	

Apache/2.4.52 (Ubuntu) Server at localhost Port 80

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```
Options -Indexes
```

localhost/website1/

Forbidden

You don't have permission to access this resource.

Apache/2.4.52 (Ubuntu) Server at localhost Port 80

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```
File   Edit   View   Terminal   Tabs   Help
DirectoryIndex default.html
```

localhost/website1/

this is dafualt.html page instead of index.html page