

Apache LAB

- Install Apache HTTP server 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.

→ `sudo apt install apache2`

→ editing on `apache2.conf`:

`<Directory /var/www/>`

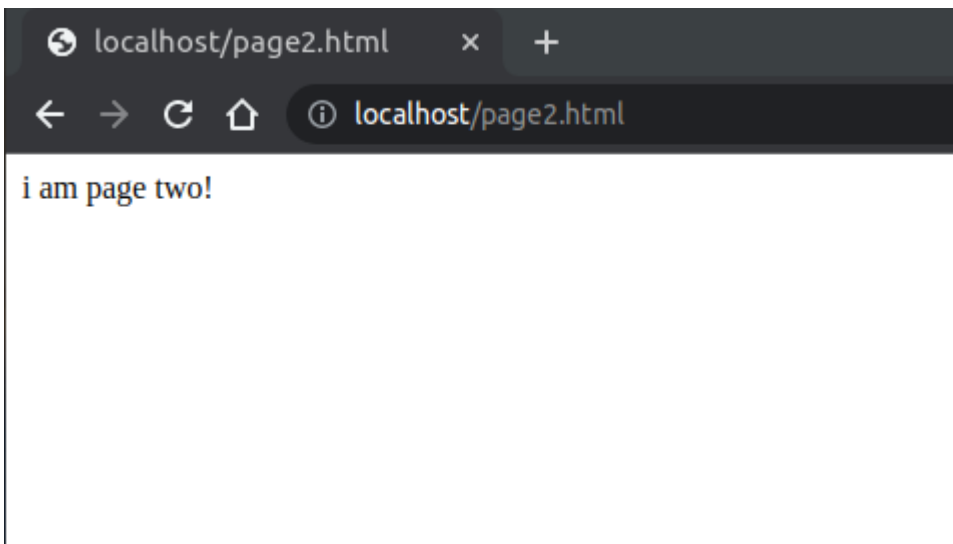
`Options Indexes FollowSymLinks`

`AllowOverride All`

`Require all granted`

`</Directory>`

→ adding `.htaccess` file and adding into it: `Redirect /page1.html /page2.html`



- Ask for username and password when accessing a directory.

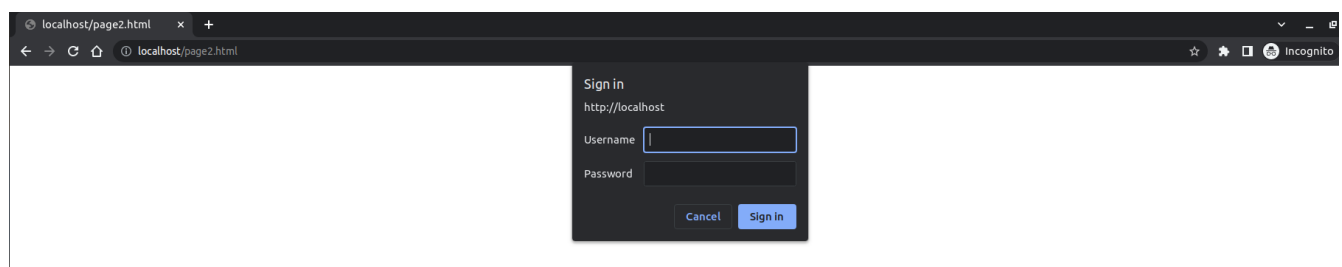
→ adding the `.htaccess` & `.htpasswd` files

`AuthType Basic`

`AuthName "Secure Content"`

`AuthUserFile /home/myuser/public_html/.htpasswd`

`require valid-user`



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

→ Adding `Require ip 172.103.255.0` in the `etc/apache2/site-available/000-default.conf` file

```
sorour@SOROUR: /etc/apache2/sites-available
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GNU nano 6.2 000-default.conf *
<VirtualHost *:80>
# The ServerName directive sets the request scheme, hostname and port that
# the server uses to identify itself. This is used when creating
# redirection URLs. In the context of virtual hosts, the ServerName
# specifies what hostname must appear in the request's Host: header to
# match this virtual host. For the default virtual host (this file) this
# value is not decisive as it is used as a last resort host regardless.
# However, you must set it for any further virtual host explicitly.
#ServerName www.example.com

ServerAdmin webmaster@localhost
DocumentRoot /var/www/html

# Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
# error, crit, alert, emerg.
# It is also possible to configure the loglevel for particular
# modules, e.g.
#LogLevel info ssl:warn
Require ip 172.103.255.0
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

# For most configuration files from conf-available/, which are
# enabled or disabled at a global level, it is possible to
# include a line for only one particular virtual host. For example the
# following line enables the CGI configuration for this host only
# after it has been globally disabled with "a2disconf".
#Include conf-available/serve-cgi-bin.conf
</VirtualHost>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

- Disable listing the directory content (hint use indexes)

By default, the Indexes option forces Apache to prepare and show a list of files if no default index file is detected in the /var/www directory, by prefixing the Indexes options with a hyphen, you've instructed Apache to disable this behavior.

Edit my apache2 configuration file

```
<Directory /var/www>
```

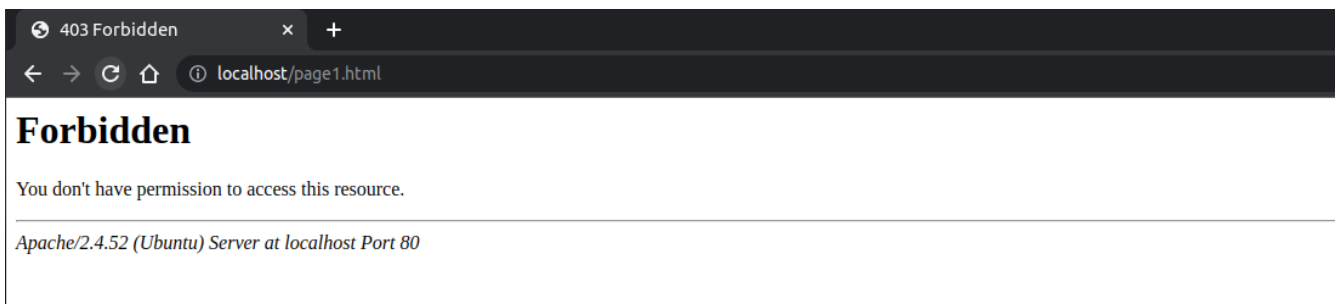
```
Options -Indexes
```

```
AllowOverride All
```

```
Order allow,deny
```

```
Allow from all
```

```
</Directory>
```



- Change the default index page to be default.html instead of index.html
→ by adding : `DirectoryIndex default.html` to the `.htaccess` file.

