Name: mahmoud hassan amin   Track: IOT

Install Apache HTTP server Create two simple html pages named page1.html, page2.htm then use the suitable directive to automatically redirect from localhost/page1.html to localhost/page2.html.

```
[Eng.mahmoud@192 ~]$ sudo yum install httpd
Updating Subscription Management repositories.
Red Hat Enterprise Linux 8 for x86_64 -  6.3 kB/s | 4.5 kB     00:00
Red Hat Enterprise Linux 8 for x86_64 -  1.3 MB/s |  51 MB     00:39
Red Hat Enterprise Linux 8 for x86_64 -  4.1 kB/s | 4.1 kB     00:00
Dependencies resolved.
================================================================================
 Package        Arch    Version          Repository                        Size
================================================================================
Installing:
 httpd          x86_64 2.4.37-51.module+el8.7.0+16050+02173b8e
                                rhel-8-for-x86_64-appstream-rpms 1.4 M
Installing dependencies:
 apr            x86_64 1.6.3-12.el8 rhel-8-for-x86_64-appstream-rpms 130 k
 apr-util       x86_64 1.6.1-6.el8  rhel-8-for-x86_64-appstream-rpms 105 k
```
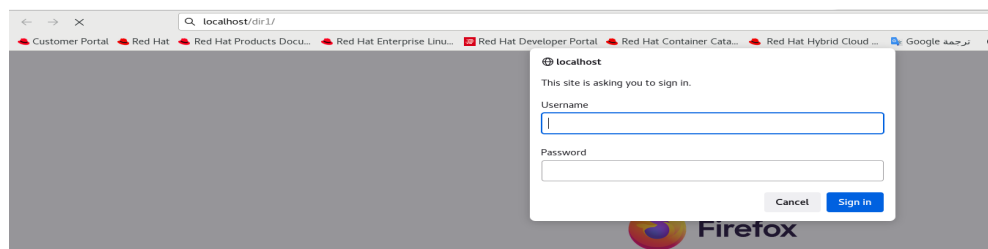
```
[Eng.mahmoud@192 html]$ sudo touch page1.html page2.html
```

```
#

Redirect /page1.html /page2.html
```

Ask for username and password when accessing a directory.

```
<Directory /var/www/html/dir1>
        authtype basic
        authname "Restricted Content"
        AuthUserFile /var/www/html/.htpasswd
        Require valid-user
</Directory>
```

```
[Eng.mahmoud@192 html]$ sudo htpasswd -c .htpasswd mahmoud
[sudo] password for Eng.mahmoud:
New password:
Re-type new password:
Adding password for user mahmoud
```
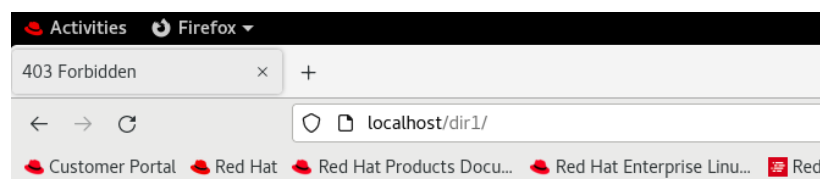
Create a directory then allow access to one of your classmates only.

```
<Directory /var/www/html/dir1>
        Allow from 192.168.1.6
        Deny from all
        Order deny,allow

</Directory>
```

Disable listing the directory content (hint use indexes)s

```
# for more information.
#
Options FollowSymLinks

#
```

Activities   Firefox ▾

403 Forbidden   ×   +

← → C   localhost/dir1/

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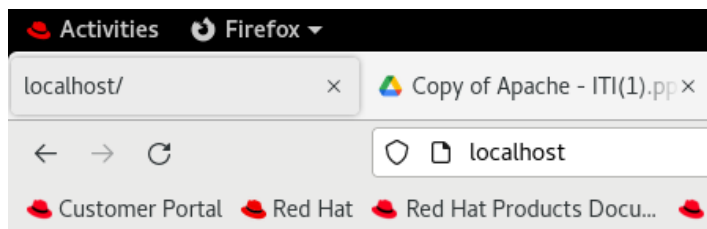
Forbidden

You don't have permission to access this resource.

Change the default index page to be default.html
instead of index.html

```
<IfModule dir_module>
    DirectoryIndex page1.html
</IfModule>
```

this is page1