1- install apache http server

```
Activate the web console with: systemctl enable --now

[root@localhost ~]# yum install httpd
Last metadata expiration check: 0:22:21 ago on Fri 20
Package httpd-2.4.53-6.el9.x86_64 is already installed
Dependencies resolved.
================================================================
 Package                  Architecture Version
================================================================
Upgrading:
 httpd                    x86_64       2.4.62-1.el9
 httpd-core               x86_64       2.4.62-1.el9
 httpd-filesystem         noarch       2.4.62-1.el9
 httpd-manual             noarch       2.4.62-1.el9
 httpd-tools              x86_64       2.4.62-1.el9
```

2- redirect from page1.html to page2.html

```
# Further relax access to the default document root
<Directory "/var/www/html">
        Options Indexes FollowSymLinks
        Redirect /page1.html /page2.html
        AllowOverride None
        Require all granted
</Directory>
```

3- addin auth directive to the special folder called special

```
<Directory "/var/www/html/special">
        AllowOverride All
        AuthType Basic
        AuthName "Restricted Files"
        AuthUserFile "/usr/local/.htpasswd"
        Require user tomato
</Directory>
```

4- apply authentication for download pdf

```
<Files ~ "\.pdf$">
        AuthType Basic
        AuthName "Restricted Files"
        AuthUserFile "/usr/local/.htpasswd2"
        require user lulu
</Files>
```

5-allow access to a specific ip address

```
<Directory "/var/www/html/special2">
        AllowOverride All
        Deny from all
        Allow from 192.168.1.10
        Order Deny,Allow
</Directory>
```

6-Disable listing of a directory called no index

```
<Directory "/var/www/html/noIndex">
        AllowOverride All
        Options -Indexes
</Directory>
```

7-Change the default to default.html

```
<Directory "/var/www/html/default">
        AllowOverride All
        DirectoryIndex index.html default.html
</Directory>
```