Task 1

```
File Edit View Bookmarks Plugins Settings Help

(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$ sudo a2enmod rewrite Adding Authent ication to Apache:
[sudo] password for ami-meem:
Enabling module rewrite.

ERROR: Module Adding does not exist!

ERROR: Module Adding does not exist!

ERROR: Module Authentication does not exist!

ERROR: Module Apache: does not exist!

To activate the new configuration, you need to run:
    systemctl restart apache2

(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$
```

```
-: sudo nano — Konsole
                                                                                                  ~ ^ ×
 File Edit View Bookmarks Plugins Settings Help
 GNU nano 7.2
                             /etc/apache2/sites-available/example.com.conf *
<VirtualHost *:80>
ServerAdmin admin@example.com
ServerName example.com
ServerAlias www.example.com
DocumentRoot /var/www/example.com/html
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined
RewriteEngine On
RewriteCond %{HTTPS} off
RewriteRule ^(.*)$ https://%{SERVER_NAME}/$1 [R,L]
</VirtualHost>
File Name to Write: /etc/apache2/sites-available/example.com.conf
                          M-D DOS Format
                                                                             M-B Backup File
   Help
                                                    M-A Append
                                                        Prepend
   Cancel
                              Mac Format
                                                                             ^T Browse
```

Task 2

```
-: sudo htpasswd — Konsole
                                                                                        < ^ X</p>
File Edit View Bookmarks Plugins Settings Help
(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$ sudo a2enmod rewrite Adding Authent
ication to Apache:
[sudo] password for ami-meem:
Enabling module rewrite.
ERROR: Module Adding does not exist!
ERROR: Module Authentication does not exist!
ERROR: Module to does not exist!
ERROR: Module Apache: does not exist!
To activate the new configuration, you need to run:
systemctl restart apache2
(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$ sudo nano /etc/apache2/sites-availa
ble/example.com.conf
(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$ sudo nano /etc/apache2/sites-availa
ble/example.com.conf
```

```
-: sudo nano — Konsole
 File Edit View Bookmarks Plugins Settings Help
 GNU nano 7.2
                                    /etc/apache2/sites-available/example.com.conf *
<VirtualHost *:80>
ServerAdmin admin@example.com
ServerName example.com
ServerAlias www.example.com
DocumentRoot /var/www/example.com/html
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined
RewriteEngine On
RewriteCond %{HTTPS} off
RewriteRule ^(.*)$ https://%{SERVER_NAME}/$1 [R,L]
    <Directory "/var/www/html">
   AuthType Basic
   AuthName "Restricted Content"
           AuthUserFile /etc/apache2/.htpasswd
Require valid-user
      </Directory>
 </VirtualHost>
 Fi<u>le Name to Write: /et</u>c/a<u>pache2/sites-availab</u>le/<u>example.com.conf</u>
                                                                M-A Append
    Help
                                M-D DOS Format
                                                                                               M-B Backup File
    Cancel
                                     Mac Format
                                                                     Prepend
                                                                                               ^T Browse
```

```
File Edit View Bookmarks Plugins Settings Help

(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$ sudo htpasswd -c /etc/apache2/.htpa
swd meem
[sudo] password for ami-meem:
New password:
Re-type new password:
Adding password for user meem
(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$

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Task 3

```
File Edit View Bookmarks Plugins Settings Help

(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$ sudo htpasswd -c /etc/apache2/.htpa
swd meem
[sudo] password:
Re-type new password:
Adding password for user meem
(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$ sudo nano /etc/apache2/sites-availa
ble/example.com.conf
(base) ami-meem@meem-VivoBook-ASUSLaptop-X512FL-X512FL:~$ 

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