➢ Setting things up:

Once You are inside your Linux machine, follow these steps to install Apache2 and setup your website:

1. Use the following commands to update the system:
   "sudo apt update && sudo apt upgrade -y"
2. Once updated, use **"sudo apt install apache2"** to install Apache webserver.
3. Next, create a directory to store the content of your website. For example, let's use:
   "/var/www/awesomeweb".
4. You can use an existing web template or create a simple HTML page. I am using a template from:
   https://www.w3schools.com/w3css/w3css_templates.asp
5. Copy the code from the template and paste it into the file. For simplicity, let's create a basic HTML file.
   "sudo nano /var/www/awesomeweb/index.html"

➢ Configure Apache2:

Since we are not changing the defaults, we will create a new virtual host configuration file for our website. Follow these steps to create a new config file:

1. Create a new config file: **"sudo nano /etc/apache2/sites-available/awesomeweb.conf"**.
2. Add the required configuration for your website, such as "Server Name", "Document Root" and "Directory" block.
3. Once the config file is done, enable your new website with the command **"sudo a2ensite awesomeweb.conf"**. This creates a symbolic link from "**sites-available**" to "**sites-enabled**", effectively enabling the site.
4. Once enabled, restart the service with the command **"sudo systemctl restart apache2"**.
5. Edit the hosts file to point the DNS name "**awesomeweb**" to your localhost using the command **"sudo nano /etc/hosts"**. Add the following line to the file "**127.0.0.1 awesomeweb".**
6. Now head to the browser and type **"http://awesomeweb"**. You should see your website.