

Project 1

Apache Server Installation

```
juhi@05d861eca28c5c4:~$ grep -E '^((VERSION|NAME)=)' /etc/os-release
NAME="Ubuntu"
VERSION="24.04.1 LTS (Noble Numbat)"
juhi@05d861eca28c5c4:~$ sudo apt update
[sudo] password for juhi:
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
3 packages can be upgraded. Run 'apt list --upgradable' to see them.
juhi@05d861eca28c5c4:~$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following upgrades have been deferred due to phasing:
 libpolkit-agent-1-0 libpolkit-gobject-1-0 polkitd
0 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.
juhi@05d861eca28c5c4:~$ sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.58-1ubuntu0.5).
0 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.
juhi@05d861eca28c5c4:~$ sudo mkdir /var/www/html/test_website
mkdir: cannot create directory '/var/www/html/test_website': File exists
juhi@05d861eca28c5c4:~$ sudo mkdir /var/www/html/test_website1
juhi@05d861eca28c5c4:~$ echo <html>
<head> <head>
<title>Example</title>
</head> </head>
<body>
<h1 style="color:green">GFG</h1>
<p>This is a Apache Test Server for Ubuntu and
Debian</p>
</body>
</html>' | sudo tee
/var/www/test_website/index.html <html>
<head>
<title>Example</title>
</head>
<body>
<h1 style="color:green">GFG</h1>
<p>This is a Apache Test Server for Ubuntu and
Debian</p>
</body>
</html>
```

```
juhi@05d861eca28c5c4:~$ sudo systemctl restart apache2
juhi@05d861eca28c5c4:~$ sudo echo <VirtualHost *:80>
DocumentRoot /var/www/html/test_website
<DirectoryIndex index.html>
ErrorLog /var/log/httpd/example.com_error.log
CustomLog /var/log/httpd/example.com_requests.log
</VirtualHost>
-bash: syntax error near unexpected token `newline'
juhi@05d861eca28c5c4:~$ sudo echo <VirtualHost *:80>
ServerName web.testingserver.com
DocumentRoot /var/www/html/test_website1
DirectoryIndex index.html
ErrorLog /var/log/httpd/example.com_error.log
CustomLog /var/log/httpd/example.com_requests.log
</VirtualHost>
-bash: syntax error near unexpected token `newline'
juhi@05d861eca28c5c4:~$ sudo echo <VirtualHost *:80>
ServerName web.testingserver.com
DocumentRoot /var/www/html/test_website1
DirectoryIndex index.html
ErrorLog /var/log/httpd/example.com_error.log
CustomLog /var/log/httpd/example.com_requests.log
</VirtualHost> > /etc/httpd/conf.d/web.conf
-bash: /etc/httpd/conf.d/web.conf: No such file or directory
juhi@05d861eca28c5c4:~$ sudo nano /etc/apache2/sites-available/web.testingserver.com.conf
juhi@05d861eca28c5c4:~$ sudo a2ensite web.testingserver.com.conf
Enabling site web.testingserver.com.
To activate the new configuration, you need to run:
  systemctl reload apache2
juhi@05d861eca28c5c4:~$ sudo systemctl restart apache2
juhi@05d861eca28c5c4:~$ sudo nano /etc/hosts
juhi@05d861eca28c5c4:~$ sudo mkdir -p /var/www/html/test_website/
juhi@05d861eca28c5c4:~$ echo <html>
<head>
<title>Example</title>
</head>
<body>
<h1 style="color:green">GFG</h1>
<p>This is an Apache Test Server for Ubuntu and Debian</p>
</body>
</html>' | sudo tee /var/www/html/test_website/index.html /dev/null
juhi@05d861eca28c5c4:~$ sudo chmod -R 755 /var/www/html/test_website/
juhi@05d861eca28c5c4:~$
```

