Instructions:

**Sudo apr install apache2** => To install apache2

**Sudo apt update** => updates the system

**Sudo apt upgrade** => upgrade the system

**Sudo** => run the command with administrator privileges **(run as admin)**

**Apt** :> Package Manager

**Ps aux |grep apache2** = This is going to return the servers and the PID of the services

**Hostname – I =** returns the server ip address (which is my machine ip address)

Use for Apache 2:

1. **Host Websites:**

* **How:** Install Apache2, place your website files in the /var/www/html directory, and configure virtual hosts to manage multiple sites.

1. **Serve Static Content:**

* **How:** Store your HTML, CSS, JavaScript, and image files in the web directory. Apache will serve these files to clients.

1. **Serve Dynamic Content with PHP:**

* **How:** Install PHP and configure Apache to process PHP scripts. Place your PHP files in the web directory to run server-side code.

1. **Create and Manage Virtual Hosts:**

* **How:** Define multiple virtual hosts in the Apache configuration files to host different websites on the same server, using separate domain names or IP addresses.

1. **Enable Directory Listings:**

* **How:** Configure Apache to generate directory listings for directories that do not have an index.html or equivalent file, allowing users to browse files