Deploy a Website on Localhost Using Nginx

1. sudo apt update //Update my package index
2. sudo apt install nginx -y //Install nginx
3. sudo systemctl start nginx // start and enable nginx
4. sudo systemctl enable nginx
5. sudo mkdir -p /var/www/awesomeweb // Create a directory for a website
6. sudo vim /var/www/awesomeweb/index.html // Create an index.html file
7. <!DOCTYPE html>
8. <html>
9. <head>
10. <title>Welcome to AwesomeWeb</title>
11. <style>
12. body {
13. font-family: Arial, sans-serif;
14. background-color: #f0f0f0;
15. color: #333;
16. display: grid;
17. grid-template-columns: 1fr 3fr;
18. grid-gap: 20px;
19. padding: 50px;
20. }
21. .sidebar {
22. background-color: #0073e6;
23. color: white;
24. padding: 20px;
25. }
26. .content {
27. text-align: center;
28. }
29. h1 {
30. color: #0073e6;
31. }
32. </style>
33. </head>
34. <body>
35. <div class="sidebar">
36. <h2>Menu</h2>
37. <ul>
38. <li><a href="#" style="color: white;">Home</a></li>
39. <li><a href="#" style="color: white;">About</a></li>
40. <li><a href="#" style="color: white;">Services</a></li>
41. <li><a href="#" style="color: white;">Contact</a></li>
42. </ul>
43. </div>
44. <div class="content">
45. <h1>Hello, welcome to AwesomeWeb!</h1>
46. </div>
47. </body>
48. </html>
49. sudo chown -R www-data:www-data /var/www/awesomeweb // Set permissions
50. sudo chmod -R 755 /var/www/awesomeweb
51. sudo vim /etc/nginx/sites-available/awesomeweb

server {

listen 80;

server\_name awesomeweb;

root /var/www/awesomeweb;

index index.html;

location / {

try\_files $uri $uri/ =404;

}

}

1. sudo ln -s /etc/nginx/sites-available/awesomeweb /etc/nginx/sites-enabled/ //Enable the server block by creating a symbolic link
2. sudo nginx -t // Test the Nginx configuration
3. sudo vim /etc/hosts // add the entry record associate the DNS name ‘awesomeweb’ with ‘localhost’
4. 127.0.0.1 awesomeweb
5. sudo systemctl daemon-reload
6. sudo systemctl restart nginx // restart the Nginx service
7. ping awesomeweb
8. sudo apt install firefox
9. sudo firefox &
10. 