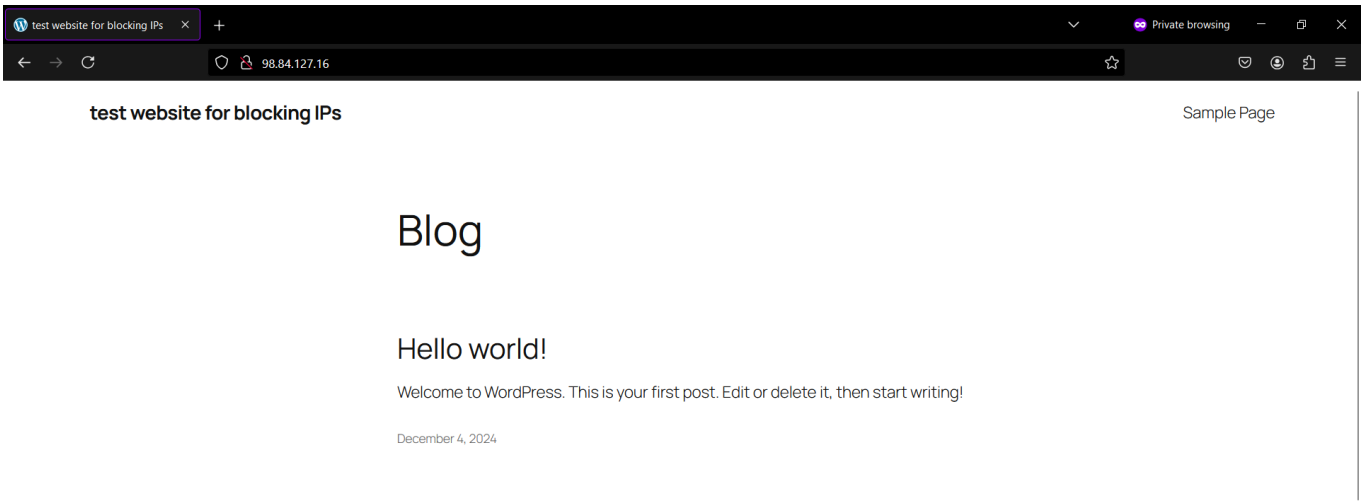
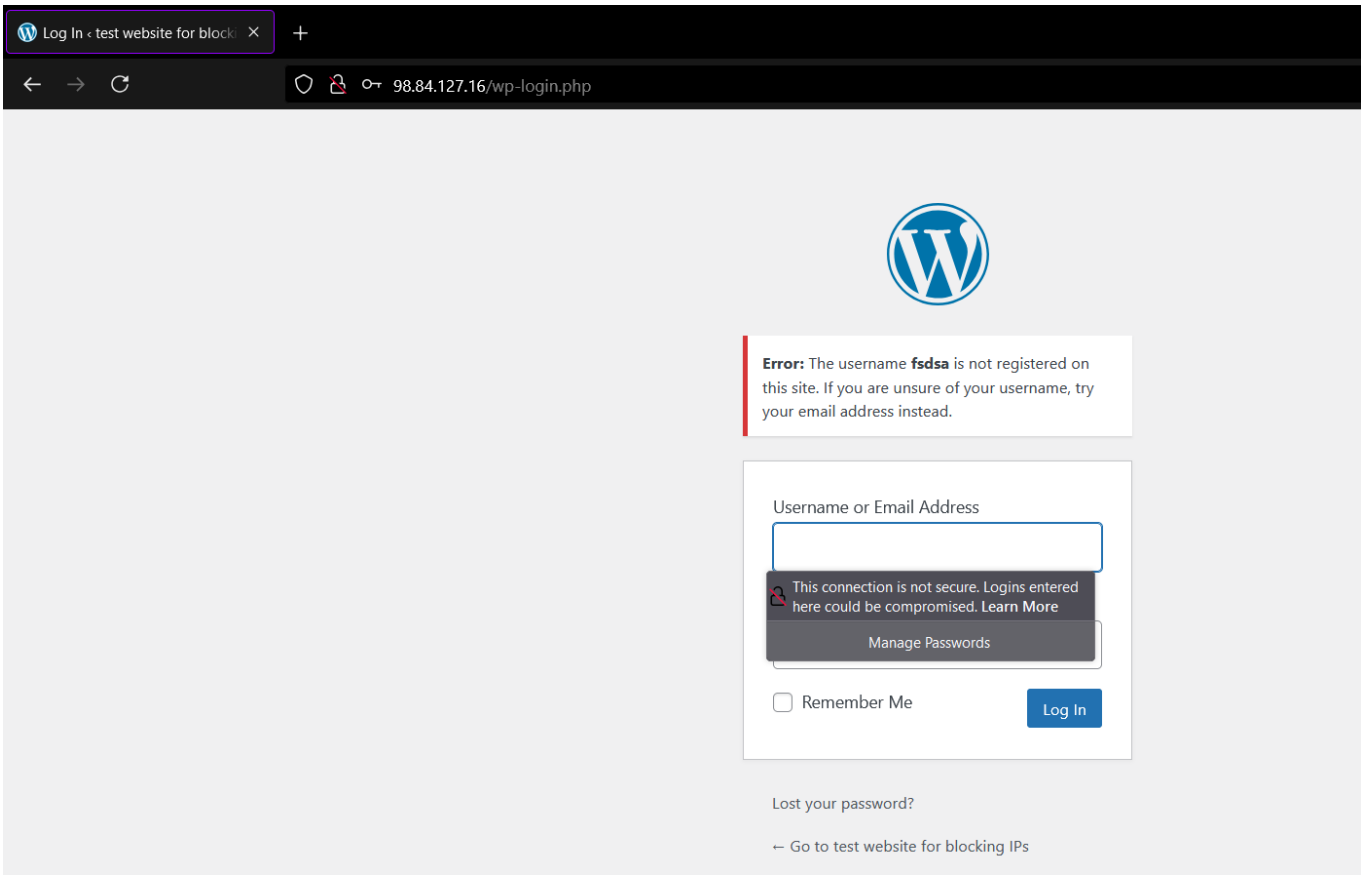
Python script for blocking IPs

Problem Statement :
Create a Python script to: Parse logs from a web server. Identify IPs causing the most failed login attempts. Block those IPs by dynamically updating firewall rules.

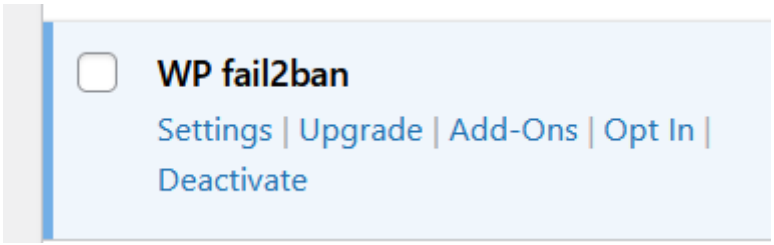
For this script we require a web server with login so for that we will install wordpress application.



After installing the application go to wp-admin and try to login with incorrect password



these types of logs are stored in /var/log/auth.log but by default wordpress doesn't store authentication logs so we need to install fail2ban plugin



install the above plugin and activate it

after activating we will be able to see unknown user in auth.log

for the python script add the path of auth.log file

run the script as python3 file_name