

Network Set-up:

PC1 - **IP Address:** 192.168.254.3

PC2 - **IP Address:** 192.168.254.4

Web Server - **IP Address:** 192.168.254.2

Website Credentials:

Admin Account 1:

Username: admin

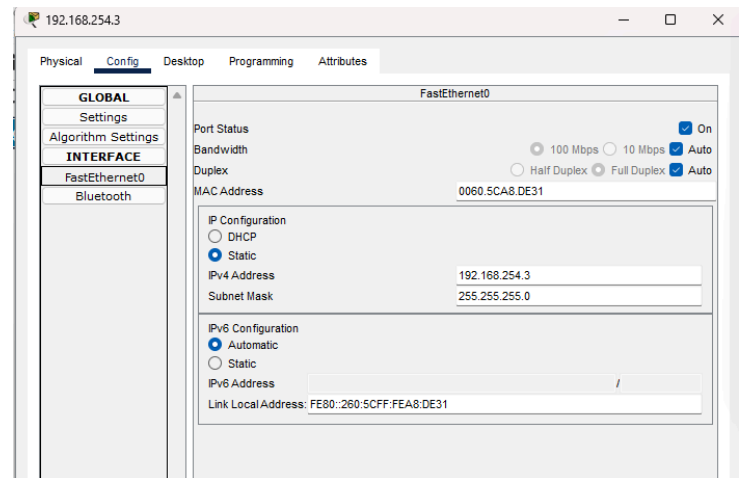
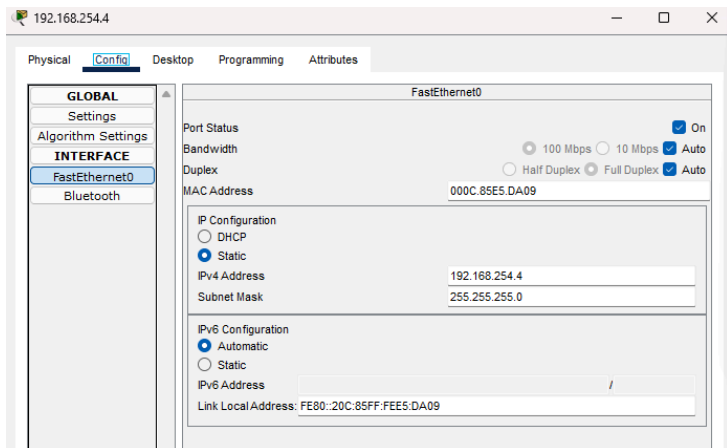
Password: P@ssw0rd!

User Account 1:

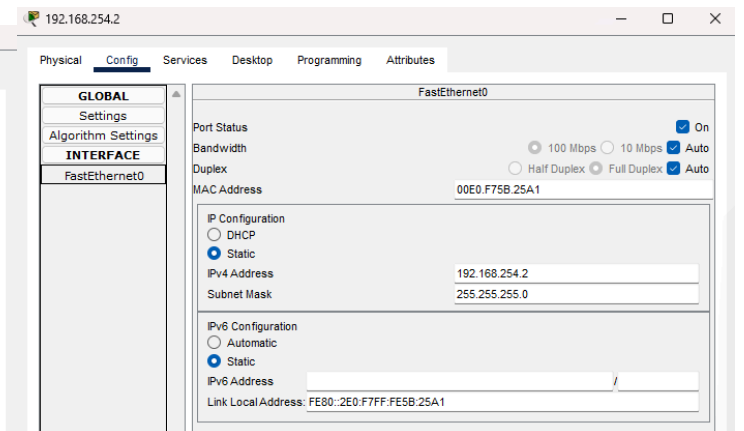
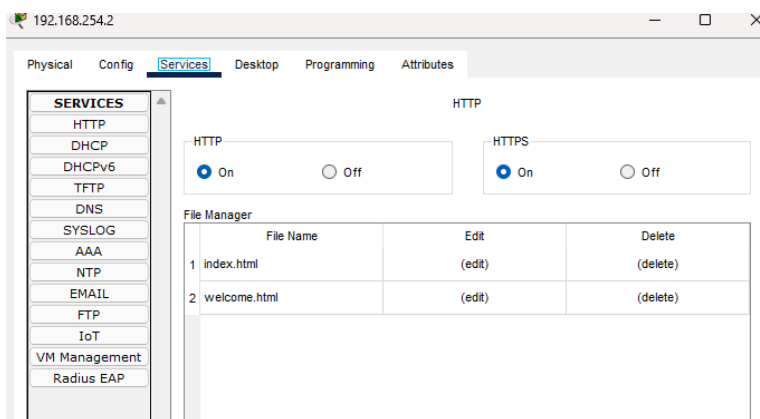
Username: user1

Password: U\$erP4ssword

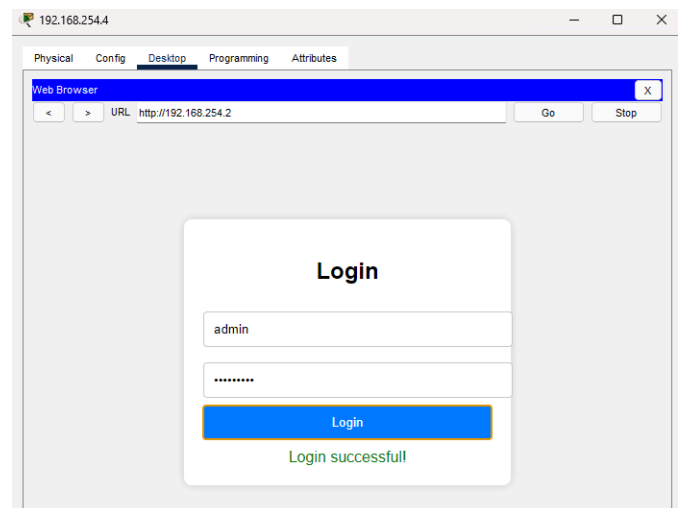
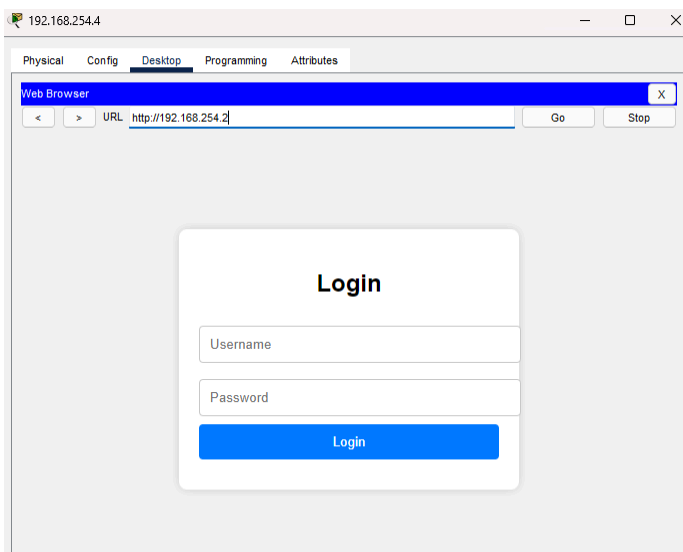
Network IP Address Screenshots:

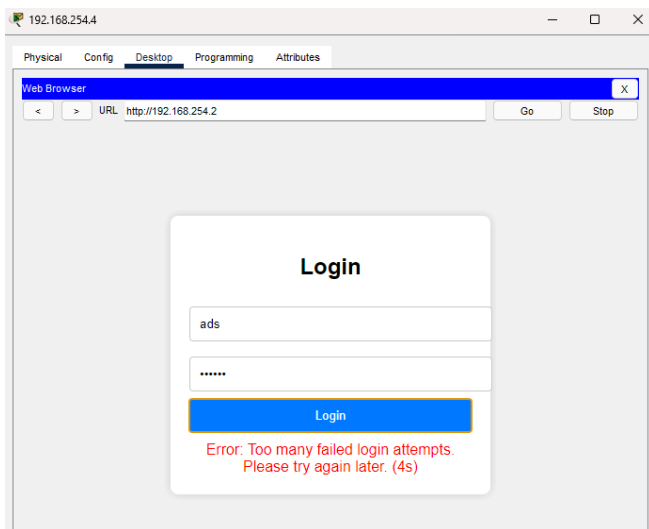
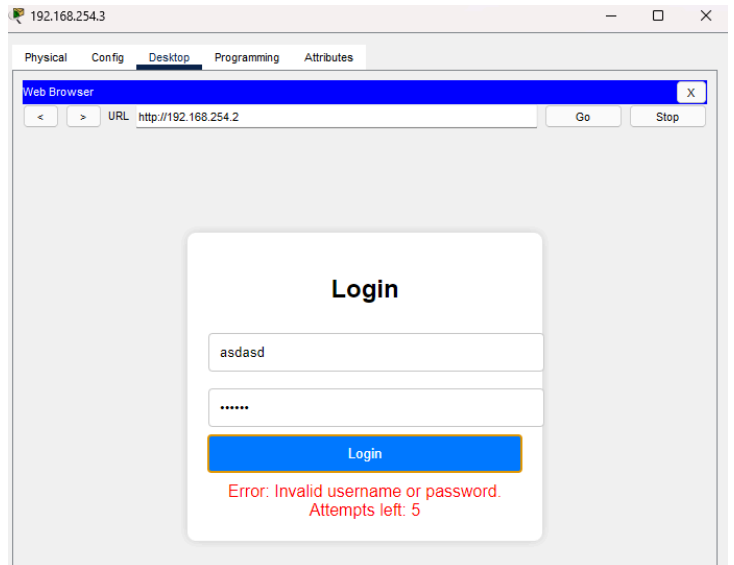
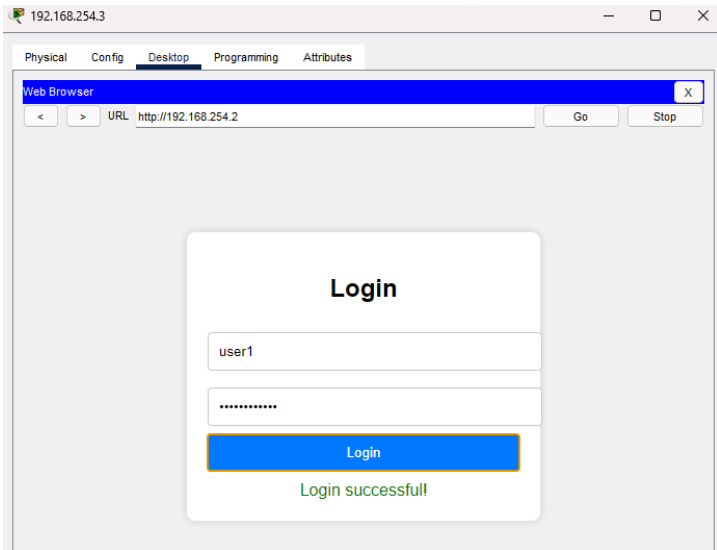


Server Setup:



Website Screenshots:





Why strong passwords are important?

Strong passwords are important because they protect our personal data from unauthorized access. Also, having weak and predictable are easy for cyber-attackers to guess using algorithms like brute force which may lead to identify theft and data breaches. By having a strong password just like what is recommended in this activity which contains a mix of uppercase letters, lowercase letters, numbers and special characters makes it much harder for cybercriminals to crack which increases our security in our personal accounts especially that nowadays, everything is digital.

How this exercise relates to real-world web security?

This activity shows the importance of authentication and security which is the fundamental things we need to know about real-world web security. By implementing things like having a limit on attempts of logging in wrong credentials to simulate a website that may prevent brute force algorithms and also practicing strong password creation, we can gain understanding towards how websites and applications protect users from cyberattacks. With that being said, this exercise can simulate what a real-world web security is and what it needs in order for us to safeguard data as a user and as a web developer.