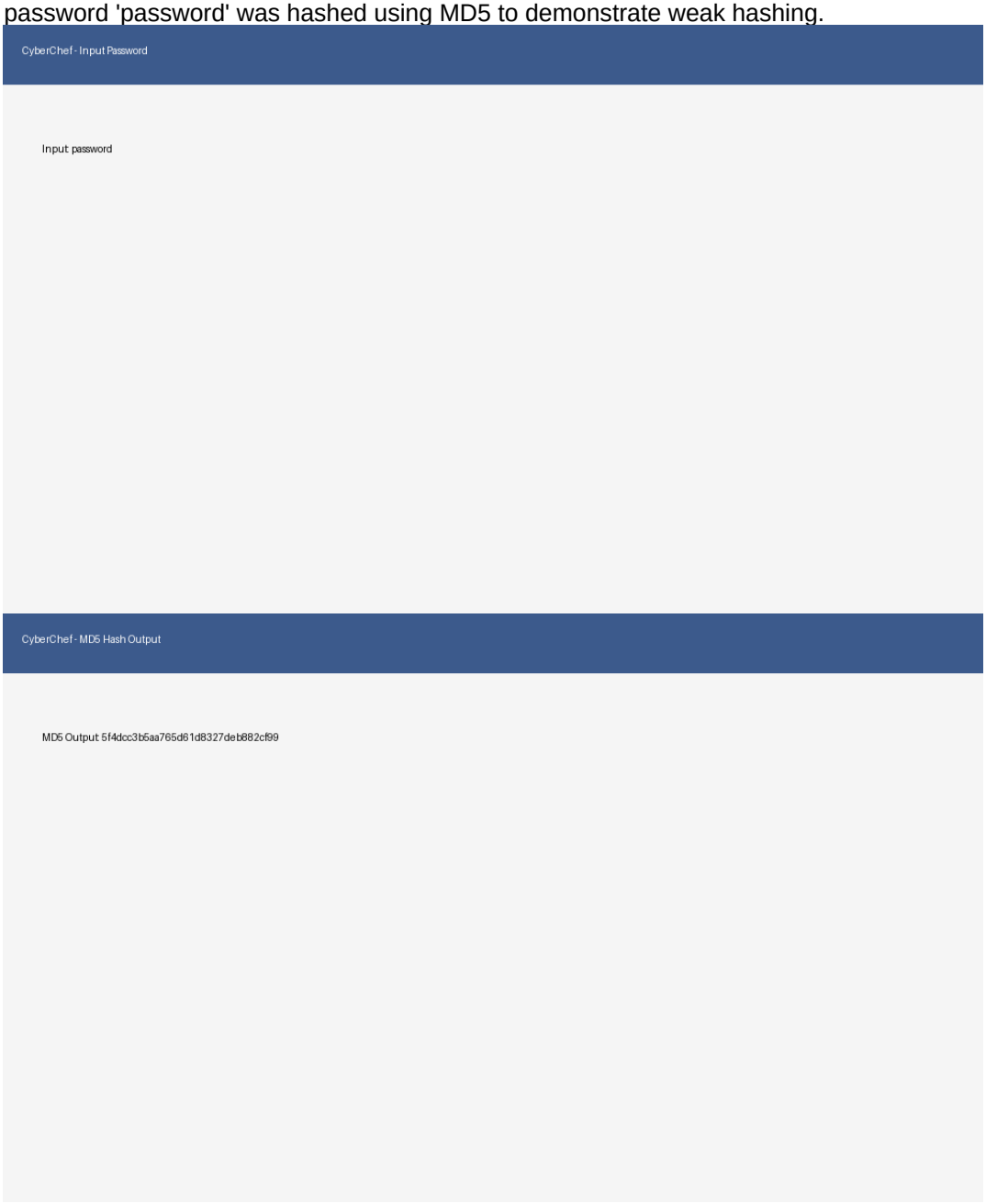
Password Security & Authentication Analysis

Objective: To demonstrate password hashing and security using a simple application (CyberChef).

Step 1: Weak Password Hashing (MD5)

The password 'password' was hashed using MD5 to demonstrate weak hashing.



Step 2: Strong Password Hashing (bcrypt)

bcrypt hashing produces salted and slow hashes, improving security.

Conclusion: Weak passwords and fast hashes are insecure. Strong hashing and MFA are recommended.