In the name of GOD

Applied Data & Network Security

Spring 2025

Project 2

Important Notes

- You can use any programming language.
- Copy code from internet and GitHub, GitLab, … prohibited.
- Project must have a report.
- Explain code in report, add screenshot from running project.
- Report must be submitted in typed form. Submitting a photo of the manuscript is not acceptable.
- For each day of delay in submitting, 20% of the exercise grade will be deducted. After 5 days, no grade will be awarded for the exercise.
- If you have any questions about the exercises, you can ask them in the Telegram group.
- If cheating is observed, action will be taken in accordance with educational rules.
- The output of the exercise must be a pdf file, with name *ANS-Pro#-Name-STID.pdf* like this one *ANS-Pro2-RezaMohammadi-40200123.pdf*. Please name the rest of the items same manner and send it along with pdf file.

Important Note:

All exercises must be done by yourself. Screenshot must contain system date and time. When the project is delivered, you should be able to repeat the steps and get the same results.

Part 1. Install DVWA

Install DVWA on VM report install steps.

Part 2. SQLi

Put DVWA Security in medium and Exploit SQLi in the below path.

http://127.0.0.1:8080/dvwa/vulnerabilities/sqli/

report steps completely. Report must contain explain text and screenshot.

Part 3. XSS

Exploit reflected XSS in the below path (medium security).

http://127.0.0.1:8080/dvwa/vulnerabilities/xss_r/

Part 4. File Upload

Exploit File Upload in the below path (medium security).

http://127.0.0.1:8080/dvwa/vulnerabilities/upload/