# FUTURE\_CS\_02

### SOCIAL ENGINEERING & PHISHING SIMULATION

#### **TASK**

- Simulate phishing attacks to test employee awareness and improve security training programs.
- Skills Gained: Social engineering, email security, security awareness training.
- Tools: Gophish, SET (Social Engineering Toolkit).
- Deliverable: A phishing campaign report analyzing success rates and recommendations for training employees.

#### **TOOL USED**

SOCIAL ENGINEERING TOOL(SET)

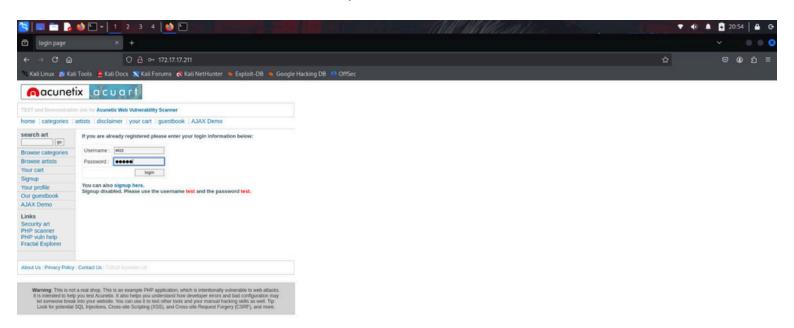
#### **METHODOLOGY**

- SET was used to clone a legitimate login page (Vuln Web).
- A phishing webpage was hosted on the attacker's machine using the SET credential harvester method.
- A target was asked to interact with the page to simulate real-world phishing exposure.
- Credentials submitted by the user were captured in the terminal session.

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#### **OBSERVATION**

- The cloned page appeared visually identical to the original.
- Entering credentials redirected to an error page to avoid suspicion.
- Credentials entered were logged and visible in the terminal.
- This demonstrated how attackers exploit human behavior more than technical flaws.



## **RECOMMENDATIONS**

- Conduct regular phishing awareness training.
- Simulate phishing attacks as part of internal security assessments.
- Use email filters, DNS security, and warning banners for external emails.

# CONCLUSION

The task successfully demonstrated how phishing can harvest user credentials and why awareness is a critical part of cybersecurity.