DAY 14 — Executing Timing Attack on ESP32

LEARNING OBJECTIVES:-

- Run timing attack and analyze timing deviations.
- Identify password characters based on longer delays.

Overview:-

Day 14 introduced the full execution of a working timing attack. The Python script detected small delay differences to guess password characters progressively.

Activites:-

- Performed repeated tests on login page.
- Identified timing patterns for correct characters.

Insights:-

- Successfully demonstrated timing leakage.
- Learned real risk of insecure authentication code.