

**DATE: 8 JULY 2025**

**DAY: TUESDAY**

## **DAY 13 – Writing Timing Attack Script (Python)**

### **LEARNING OBJECTIVES:-**

- Develop Python automation for timing measurement.
- Implement brute-force prefix testing.

### **Overview:-**

Day 13 introduced practical automation of timing measurements using Python. The script repeatedly sent login requests and recorded microsecond response times.

### **Activites:-**

- Used `time.perf_counter()` for precise measurement.
- Sent multiple requests and logged results.

### **Insights:-**

- Realized importance of large sample size.
- Understood timing fluctuation in networks.