**1 Shared Resource (Without Lock)**

# Create two threads that increment a shared counter 10000 times. No lock used.

**2. Shared Resource (With Lock)**

# Fix the race condition from Challenge 6 using threading.Lock.

**3. Daemon Thread**

# Create a daemon thread that prints a message every second in the background.

### ****4. Use of Timer****

# Create a thread that prints a message after 5 seconds using threading.Timer.