Blockchain Project Bit 3

Task 1: Simulate a Race Condition
- **Simulate the race condition:** Assume that two students attempt to enroll in a module with only one remaining slot at exactly the same time.
- **Steps:**
    1. Simulate two students trying to enroll at the same time using the ***enroll*** function.
    2. Discuss the result: The race condition may cause both students to be enrolled, even though only one slot was available.

Task 2: Analyze the Race Condition
    1. Discuss the consequences of race conditions in an enrollment system and how it can affect fairness and consistency.

Task 3: Mitigate the Race Condition
    1. Implement race condition prevention strategies