Meeting Start: **5:32 PM**
- Questions
  - Questions related to HackTheBox Module?
    - Write up posted in Discord
  - Questions related to upcoming competitions?
- Secure Programming
  - Definition: Designing code to prevent vulnerabilities, attacks, etc in an application
  - Specific approaches for every library, package, language, framework, etc
  - Considerations when secure programming
    - Input sanitization / validation
    - Output encoding
    - Threat modeling
    - Improper password requirements
    - Lack of proper access control
    - Lack of proper error handling / logging
  - Auditing insecure programs
    - Stack Buffer Overflow Demo
      - C program using GNU debugger
      - 'gets' method insecure
      - Long string doesn't get checked / input not sanitized - results in registers being overridden
      - Full demo on presentation in Discord
  - Today's Exercise (SQL Injection)
    - PicoCTF Gym
      - Challenges
        - SQLiLite
        - More SQLi (need Burp Suite for this)
        - SQL Direct (Uses PostgreSQL)
Meeting End: **6:00 PM**