Part 1: Research Test-Driven Design and Unit Testing

* What advantages as a developer does TDD provide?
  + The Test-Driven-Design is a methodology that starts by writing tests to specify and validate what the code must do[1]. Some of the advantages are the following:
    - The software design becomes modular, resulting in easier maintenance.
    - The documentation becomes easier because the test cases can be used as documentation
    - We, as developers, have a minor amount of debugging.
* What steps do I do to implement TDD?
  + 1. Add tests
  + 2. Run all tests to ensure that the code passes all of them
  + 3. Write code to address the tests
  + 4. Run tests and fix code
  + 5. Repeat
* What tools or software can I use to do unit testing?
  + Testing Tools
    - JUnit
    - NUnit
    - TestNG
    - Quilt HTTP
    - Karma

Work Cited:

<https://fortegrp.com/test-driven-development-benefits/#:~:text=Developers%20have%20less%20debugging%20to,quality%20of%20the%20final%20product>.