Lab 3 exercises

June 22, 2024

- 1. Test the check_prime function implementation (declaration available at: source\src\FUTs.h, implementation available at: source\src\check prime.c).
 - a. Identify test scenarios.
 - b. Implement a test function named test_check_prime using this source file: source\tests\test_check_prime.c. The test function should run multiple test scenarios and provide a descriptive return code and message (using error_message) in case of failure. The Function Under Test (FUT) will be called inside this test function.
- 2. Test the memcopy_n function implementations. To do this, you may need to implement some helper functions (since these can be used in multiple different testing scenarios and will make the testing code more readable).
 - Implement add_fencing, check_fencing and check_result functions, inside source\test_utils.c. A short description of these functionalities is provided inside source\test_utils.h.
 - 2. Implement test_memcopy. This test function should be able to receive a function reference as an input parameter and call any of the 3 memcopy functions: memcopy_1, memcopy_2, memcopy_3, available at source\src\memcopy_functions.c. These functions' implementations were obfuscated to create a "closed-box testing" experience.
 - Suggestion: use the test_params buffer to make the test function more configurable (you can then send different input parameters to test different test vectors).
 - Use Hercules to send data for: test selection, input parameters.
 Anything can be changed/updated inside this project BUT the check prime and memcopy n implementations.