Practice Problem: Namespaces and Header Organization in C++ CSE3150

Requirements

- 1. Create a namespace MathUtils in its own file with:
 - int add(int a, int b) returning the sum
 - int multiply(int a, int b) returning the product
- 2. Create a namespace AdvancedMath in its own file with:
 - int square(int n) returning the square. This should call the MathUtils multiply.
- 3. Put declarations into header files and definitions into .cpp files.
- 4. Write a main.cpp that uses both namespaces and prints results.
- 5. Place your headers in a folder called include, and the cpp files in a folder called src.
- 6. Put this in a repo called cse3150_week_1_hw in your GitHub.
- 7. Make sure you don't push any executables to GitHub.
- 8. Make sure to test your code with pytest before pushing.
- 9. Put your github URL here https://docs.google.com/spreadsheets/d/15_8dN8y86iE6rLXSgl03UFzlU_YcgQ4KF0Jqj5gJi1k/edit?usp=sharing

Test File (test_math.py)