HW9: Unit Testing

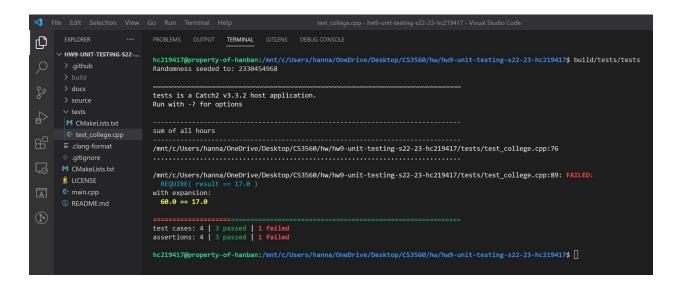
The Weekly Kata Solution: Basic Statement Coverage in Unit Testing (5fad5be0ff1ef6000f928448)

```
// Test the count_ballot() function thoroughly. There is nothing to return.
// Your function should do all the calls to the `count_ballot()` function needed to
// obtain full statement coverage for this function as listed in the problem description.
// This function takes one parameter - ballot, which is a string that contains
// the name of the person that was voted for
//
// Test coverage will be measured automatically.
void test_count_ballot(std::string (*count_ballot)(std::string s)) {
   count_ballot("trump & biden"); //should return "Invalid"
   count_ballot("trump"); //should return "Biden"
   count_ballot("biden"); //should return "Green"
   count_ballot("green"); //should return "None"
}
```

URL to the Repository: This section should have your GitHub Classroom repository URL for this homework.

https://github.com/OU-CS3560/hw9-unit-testing-s22-23-hc219417

Test Outputs: This section should show a screenshot of the output of running the test program, build/tests/tests.



Reasoning Writeup: This section should contain written answers that describe the reason for each of the three test cases.

Test Case 1	gpa should not be negative, so this test case tests if the gpa is greater than or equal to 0.0
Test Case 2	the minimum gpa requirement for htc students is 3.5, so this test case tests if the gpa is greater than or equal to 3.5
Test Case 3	gpa should not exceed 4.0, so this test case tests for if the gpa is less than or equal to 4.0

Bug Description: This section should contain a description of the bug and a screenshot with the line that caused the bug underlined or highlighted.

hours is initialized as 1 instead of 0 (circled in red), so an extra hour is being added to the total