

## Homework 4

**Link to Repo:** <https://github.com/Jackrifleman/CS-362-HW4>

### Question 1 (Cube):

Test 1: Determines if the function can provide correct volume.

Test 2: Determines if the function can raise a ValueError when the input is 0.

Test 3: Determines if the function can raise a ValueError when the input is less than 0.

### Question 2 (Array):

Test 1: Determines if the function correctly finds the average.

Test 2: Determines if the function can catch TypeError's when given a string as an element.

Test 3: Determines if the function can catch ValueError's when given an empty array.

### Question 3 (Name):

Test 1: Determines if function can provide a full name string from two strings if the arguments are inserted correctly.

Test 2: Determines if function can throw a ValueError if the 1st argument is empty.

Test 3: Determines if function can throw a ValueError if the 2nd argument is empty.

Test 4: Determines if function can throw a TypeError if the 1st argument consists of numbers.

Test 5: Determines if function can throw a TypeError if the 2nd argument consists of numbers.

### Question 4 (InClass 1):

1. Account System

2a. Determine whether the secure login token function correctly sends the token to the user.

2b. Determine if user login attempt function is provided incorrect arguments.

2c. Determine if user login attempt function is successful.