

## Design for Assignment #3

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#include <iostream>

Void get_num_tests();
Void calculate_average();
Void is_number();
Void compute();

Int main() {
    Double test_num, test_total, test_score, average;
    compute();
    return 0;
}

Void get_num_tests(){
    //ask user for number of tests
    cout << "Please enter how many test you wish to average today: ";
    cin >> test_num;
}

Void calculate_average(){
    //calculate test average
    average = test_total / test_num;
    //display test average
    cout << "The average of your test scores is: " << average << endl;
}

Void is_number(){
    //make sure the number is between 0 and 100
    if (test_score > 100.0){
        cout << "Not a possible score" << endl;
        //make user re enter test score
        cout << "Please enter a test score between 0 - 100" << endl;
        cin >> test_score;}
    else if (test_score < 0.0){
        cout << "Not a possible score" << endl;
        //make user re enter the test score
        cout << "Please enter a test score between 0 - 100: ";
        cin >> test_score;}
    else{
        //add test score to the past test scores
        test_total = test_score + test_total; }

Void compute(){
    get_num_tests();
    is_number();
    calculate_average();
}

```