

CLOD2003 - Cloud Collaboration Solutions (SaaS)

In-class Lab Assignment 4

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<https://github.com/Chaudhari-Ankita/Unit-Testing-and-Benchmarking-in-Go>

Avneet created function division for multiple edge cases cover, created readme file

In the First one, a simple division operation is carried out: 4 divided by 2 and the expected answer for this is 2. If the answer does not meet the expected answer, it will give the output as Expected ____, got ____; where expected value will be the 2 and got value will be result one value.

Sanjay created test function for division and develop test case for correct answer.

The division function is expected to raise an error when attempting to divide by zero. It will the give the output "Expected an error when dividing by zero, got nil" if err is nill. If it is, the test fails because dividing by zero must always return an error. If the expected error is not equal to err.Error It will give the output as Expected error message ____, got ____ err.Error.

Kartik created square function

The Square function is called with the input 5. The output that is square of 5 is stored in the result. If the function is properly executed, it will give the expected output 25. The test will compare the expected output and the result. If the output is same, there will be no further action.

Ankita created Square test function

The test function is square will return the value of a multiplied by a. If it is not the same value, it will give t.Fatalf output that is "Square(5) will result %d, but we got %d".

Roshni created the benchmark function for division as well as square.

The b.N value is set by the benchmarking framework. It gives the value how many times the Divide function should be executed in this benchmark.

The divide function is carried out using the values 100 and 5, 100 divided by 5.

The same process is followed for the square function.

Mili completed the whole documentation where she explained the operations and functions and the role of each team member.