**COMP 3133 - Lab02: Testing NodeJS app using mocha**

**Note**: Create GitHub repository and commit all your code to GitHub

1. Download given node project name **lab2\_mocha\_test** ZIP file
2. Add **package.json** file to the project

Change directory to **lab2\_mocha\_test**

**npm init -y**

1. Setup project to working with mocha

* Install mocha module

**npm install --save mocha chai**

1. Write test cases to perform calculator test

* Create **test/calculator.js** file to write all your test cases
* Write one success and one fail test of add, sub, div and mul for calculator.js
* **Sample Test cases**

add(5, 2) expected result 7 PASS

add(5,2) expected result 8 FAIL

sub(5, 2) expected result 3 PASS

sub(5,2) expected result 5 FAIL

mul(5, 2) expected result 10 PASS

mul(5,2) expected result 12 FAIL

div(10, 2) expected result 5 PASS

div(10,2) expected result 2 FAIL

1. Display your choice pass/fail messages for each test

**Reference**

* Lab work done during class
* https://javascript.info/testing-mocha

**Submission Checklist**

* 1. **Screenshot(s)** of your app output and source code. You may add all the screenshots in word document and upload it**. *[Do not put screenshots in project/zip file]****.*
  2. **Delete the node\_modules** folder as it has many files which are big in size and is not required for the submission.Create **a zip file** of your entire project folder and submit.
  3. Your **GitHub** project link.