**Problem**

We need automate testing for registration and login using different input combinations.

**Solution**

I used Data Driven framework to drive test cases and suites from an external data feed which can be data sheets like excel file. To reduce the cost of adding new tests and changing them on the run time during implementation due to changes in business.

I have accomplished that by creating parameters for different scenarios, using data sets that the same code can run against.

In the registration code, I used “signupTestData()” method in which the user has created an object instance of another class named “ReadExcelFile” mentioning the path to the excel file.

Further a for loop was defined to retrieve the data from the excel workbook. But to fetch the data from the excel file, I wrote the class named “ReadExcelFile”. Same method is followed in login code inside “loginTestData()” method

After reading the test data from excel file, automated test starts by opening chrome browser page and navigating to the desired link which is Facebook, then automated input starts in filling the desired input fields with the first set of data, then desired button is clicked, and the end of the test case is by closing the chrome browser window while test results is logged in console output. The automated test continues repeating the previous till the test data is finished. After automated test is finished test result summary is printed in console output.