**Name: Syeda Kubra Fatima**

**Class: BESE5-B**

**Lab#2**

**Introduction:**

In this lab we have tried the matrix multiplication using two methods.

One is iterative method with complexity n3

And the other is Stressan method with complexity n2.7

**Approach:**

I have simply apply the algos which were given on Wikipedia. My implementation only works for the square matrix of size 2 in strassen and for square matrix of all sizes in iterative method.

To apply the algos I have used Java language.Ans created tests for the different inputs.

**How to Run:**

Simply add the java file and test file into your project run the test.

**Analysis:**

Stressan is better than iterative method for very big sized matrices.

But for matrices of small size both perform with equal precission.

**Link:**

**https://github.com/Kubra-Fatima/Software-Construction-Labs**