# **Advanced Programming**

# **Lab 2**

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# **Lab Documentation**

## About:

In this Lab I implemented a simple interpreter in Java. It will take a sample program from a text file. This interpreter will interpret variable declaration, also checking if the variable has already been declared or not. It will throw errors if the variable has already been declared. This interpreter will also interpret print statements and basic athematic operations i.e. +,-,\*,/

## General Instructions:

The Unit Test is included in the Source folder. Simply run the the test file to run the Interpreter with a sample program file.

## Sample File:

The Sample File contains 9 instructions, with a duplicate declaration,(which will throw an error).

**NOTE**: The path set for the sample file is “D:\\program.txt”. It can be changed at line no. 22 of Interpreter.java

## Github Link :

[https://github.com/noman-rafi/](https://github.com/noman-rafi/Matrix-Calculator)Java-Interpreter