**Java Programming – Calculator**

**Project Description:**

The java Calculator program is developed to perform operations (addition, subtraction, multiplication and division) on two numbers. The calculator accepts double values as inputs to perform the operations. If the inputs are not valid, it displays a message.

Also, in the division operation if the divisor is zero, the calculator displays the error message (Cannot divide by zero).

After the result is displayed, the user needs to clear the text field using the Clear button and provide inputs for further operations on numbers.

The Calculator is built using the Java Swing, graphical user interface (GUI) toolkit so as to have the interactive inputs from the user.

**Prerequisites:**

Java JDK toolkit

Eclipse IDE

GIT and GIT Hub

**Short Description of the code:**

Package is created to hold the main class and the implementation class.

Main class has a method to invoke the implementation class.

The implementation class has a constructor to create instances of the GUI for the calculator.

An interface is implemented to the class to perform actions on the GUI.

Runtime exceptions are handled using try-catch block.

Java Doc tool is used to generate the standard documentation in HTML format.

**References:**

Course Materials : Jensen University

Links: <https://www.javatpoint.com/Graphics-in-swing>

Contact: [raheesa.786@gmail.com](mailto:raheesa.786@gmail.com)

GIT Hub : <https://github.com/Ratzcodes/Project_Assignment.git>