

CPW 143 Fall 2017 Programming Assignment 7:

JavaDoc and Exceptions

Purpose:

The purpose of this exercise is to gain experience in writing JavaDoc comments that explain what your code does. It is important to follow the expected JavaDoc conventions. The second part of this assignment is about handling errors by using **try/catch** blocks, one for each possible error.

Structure:

Each piece of code that you must write is marked with a comment in the starter code as a **TODO**.

JavaDoc:

Write Javadoc comments for the following:

- **Calculator** class
- **calculate** method
- **displayInstructions** method.

Exceptions:

Write **try/catch** blocks in the **main** method:

- one **try/catch** block for **firstOperand**
- one **try/catch** block for **secondOperand**
- note that the given code should not do a calculation if the try failed. You will need to read and understand the given code in **main** to do this correctly.

Expected Output (where user input has been underlined):

```
This program evaluates binary arithmetic
operations. Type an expression using two
integers and one of the operators + - * /
Put one space between each item in the
expression. Example: 2 + 3
To end the calculations, type stop
Enter expression: 2 + 4
2 + 4 = 6
Enter expression: 2 + e
NumberFormatException on second operand
Enter expression: x + 4
NumberFormatException on first operand
Enter expression: 2 = 4
operator = not supported.
Enter expression: stop
```

Submit:

Submit your updated **Calculator.java** file.