

CONCORDIA UNIVERSITY



SOEN-6011 Software Engineering Processes

SCIENTIFIC CALCULATOR

Function 9: Power Function

DELIVERABLE 2 (D2)

GitHub : <https://github.com/san089/SOEN-6011>

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1 DEBUGGER

Options Considered for Debugger

1. IntelliJ IDEA 2019.2 Built-in Debugger.
2. Eclipse 4.6 (Eclipse Neon) Debugger.

IntelliJ IDEA 2019.2 Built-in Debugger is selected for use.

1.1 Description

IntelliJ IDEA 2019.2 has a build-in debugger which provides a debugger UI with views for frames, variables and watches. It also provides the user the ability to run multiple debuggin sessions simultaneously. Also, user can make use of customizable break point properties such as conditions, pass count, and so on.

1.2 Advantages

Below are some advantages:

- Ability to run multiple debugging sessions simultaneously.
- Suspend code execution when a field is accessed for read or write.
- Evaluate an expression during debugging by adding watches.

1.3 Disadvantages

2 Source Code Quality Checker

Checkstyle

2.1 Description

2.2 Advantages

2.3 Disadvantages

3 Achieving Quality

3.1 Correctness

3.2 Efficiency

3.3 Maintainability

3.4 Usability