Calculator Requirements (draft)

**Introduction:**

The main goal of this project is to create a calculator that must perform the following requirements.

**Requirements:**

1. The Calculator will run on the command line.
2. The Calculator program will be written in the Python language.
3. The Calculator shall be able to take in two integers and perform addition on them.

For example:

Inputting 1+10 will produce 11 as a result.

1. The Calculator shall be able to take in two integers and perform subtraction on them.

For example:

Inputting 10-9 will produce 1 as a result.

1. The Calculator shall be able to take in two integers and perform multiplication on them.

For example:

Inputting 10\*9 will produce 90 as a result.

1. The Calculator shall be able to take in two integers and perform division on them.

For example:

Inputting 90/10 will produce 9 as a result.

1. The Calculator shall check if the denominator of a division query is 0, and if so it will produce the result of “undefined”, regardless of what the numerator is.

For example:

Inputting 9/0 will produce the result “undefined”.

1. The Calculator shall be able to perform the unary operation (-) or “negative” to any integer.

For example:

Inputting -9 will produce the result -9.

Inputting --9 (that’s two minus signs) will produce the result 9.

1. The Calculator shall allow for multiple calculations to be performed before a session is terminated. If the user does not type in “quit”, the program will keep asking the user to input another equation.
2. The Calculator program will not perform any error checking, in terms of input formatting, at this time.

For example:

If we have 1\_+\_10 as an input (where “\_” is a whitespace), the program will not process.