

All code was compiled and tested in Eclipse. All debugging used Eclipse's built in debugger. An example from a single example of debugging was used to prevent redundancy as all screen shots would be near identical. Examples of debugging use for each team member were described below.

Debug Examples :

Akshat :

Exponentiation wasn't returning the correct solution. Akshat didn't know if the error was coming from a mistake in the exponentiation code or the logarithms code that it called. Debugging showed the error was not from the logarithms code and a actually a mistake in the exponentiation code.

Camille:

Camille used the debugger to find out that she was incrementing a loop improperly.

Connor:

Connor used the debugger to ensure a function call was returning the proper value.

Hayeden :

A function was not returning the appropriate solution for a single test but worked for other tests. A term that grew in size each iteration of the approximation was stored as a integer. When the number of iterations was large the variable storing this term experienced overflow. Switching this variables type to a double solved the problem. To find this out Hayden had to iterated through the approximation and test each variable to see where the solution started to diverge.

Holly:

Holly used debugging to figure out that one of the buttons was calling the wrong function. The functions name wasn't changed when copying the format from another section of the code.

Sebastian:

Used debugging to figure out that a specific exception type was missing and hence why the code was crashing.