Katie Whittelsey, Karli Sugar

Prof. Corritore

Fixit 7 Level 3 Week 5

February 12, 2020

1. **Question:**Name and explain the two types of computer bugs/errors.
   1. **Syntax Error:** errors are because the coding grammar and language is incorrect
   2. **Semantic Error:** errors to improper use of program statements
2. **Question**: There are many ways to debug a program. Describe three ways.
   1. In the Chrome Debugger
   2. Add breaks in the actual code and the debugger
   3. Exception handling with try, catch, finally
      1. If we suspect a piece of code will result in an exception, we can wrap it in a ***try*** block
         1. l run the code inside the block as normal, but if an exception occurs it will pass the error object that is thrown onto a ***catch*** block
            1. The code inside the ***catch*** block will only run if an exception is thrown inside the ***try*** block

The error object is automatically passed as a parameter to the ***catch*** block

A ***finally*** block can be added after a catch block; This will always be executed after the try or catch block, regardless of whether an exception occurred or not

1. **Question**: In your own words, define/describe each of the following debugging terms.
   1. Step – the curved arrow; steps over the next function call
   2. Break – to add a break, in the Chrome debugger, you click the line of code you want the code to pause.
   3. Watch – adding certain pieces of code in the right-hand side of the Chrome debugger lets you see specific variables easily.

Katie’s Link: <https://github.com/kwhittelsey/Fixit7StringKatieWhittelsey.appstudio>

Karli’s Link: