https://github.com/abhinav1911/Assignment1

Sandbox uses a white list and is imported into the program which needs sandboxing. The user has to then call the sandbox executing method which checks the program's syntax against its whitelist. Built-ins are limited.

To test the sandbox, there following was done both on Python 2.7 and Python 3.4:

In Python 2.7 the sandbox does not print or compute anything. A bad implementation of the Fibonacci function was written in which redundant recursive functions are called. The parameter '9' was entered to test if the program will actually run and print something. Nothing was printed. '35' was inputted as a parameter next. Due to computing constraints, this will take about 6 seconds to compute on my computer, however, the sandbox just exists in less than a second when I enter it.

In Python 3.4, there is a syntax error in which `exec` is called is called incorrectly.

Either form of running method concludes that this sandbox is not Turing Complete as it does not answer or try to answer a computable program.

An unsandboxed call within the program itself using file handling was done to alter the contents of the sandbox. This was successful in Python 2.7 since the sandbox allows for unsandboxed code.