Homework #3

Due: October 20

Part 1:

Select any tool that provides at least decision code coverage. Utilizing the Binary Search code from Homework #1, develop a set of test cases for your code. Execute your program with your test cases and observe the coverage. Develop a second set of test cases to improve the coverage. Please submit the following:

1. Description of the tool used and the types of coverage it provides
2. Source listing of your code
3. Your test cases
4. A printout or screen shot showing the coverage achieved for each test case
5. Your evaluation of the tool's usefulness

Part 2:

Select any static source code analysis tool. Utilizing your Binary Search code introduce two data flow anomalies typically caught by a static analysis tool. Execute the tool on your code. Please submit the following:

1. Description of the tool used and the types of analysis it provides
2. Source listing of your code
3. A printout or screen shot showing the analysis performed
4. Your evaluation of the tool's usefulness

In CSE 565, all work must be done individually unless otherwise instructed and must be original. Papers must be written in your own words (no cutting and pasting). References to all work must be cited where used in the paper and included in a bibliography at the end of the paper.