**STUDENT NAME: Nikhil Sarika**

**CS 450 Fall 2021 Assignment #01**

Due: **Thursday, September 16th, 11:59 PM**

**Deliverables:**

1) Source and executable objects with a README on how to build and execute them.

2) Screenshots showing your shell and test cases being executed. An example is attached.

3) A copy of the modified skeleton code, showing the modifications that you make and with comments that explains how your code works.

4) The test data that you use and explanation on why the test data is of good quality. If you use the equivalence partitioning method to generate your test data, describe your equivalence partitions.

**Deliverable 1:**

Attached source and executable to the Black board.

**Deliverable 2:**

Attached output screenshot to the Black board

**Deliverable 3:**

Attached the Modified skeleton code with comments.

**Deliverable 4:**

Test Case 1: Both the operators have no commands supplied.

Test Case 2: Provide command to execute for “;” operator but no command is provided for “&”

Test Case 4: Provide command to execute for “&” operator but no command is provided for “;”

Test Case 5: Combination of “;” and “&” is tested. The command is executed multiple times that the order of first three sub commands change but the last sub command is always executed in the end.

Test Case 6: & operator with 3 arguments

Test Case 7: ; operator with 3 arguments

Test Case 8: Command ending with ;