CS 162 Lab 6 Testing (Searching and Sorting)

Kelvin Watson
OSU ID 932540242

Testing

Test Case	Input	Driver Function	Expected Outcome	Observed Outcome

valid string commands	keyboard
	L
	S
	B
	Q
		main()	`Searching for the integer 5 in early.txt`
			`  5 found in early.txt`
			
			`Searching for the integer 5 in middle.txt`
			`  5 found in middle.txt`
			
			`Searching for the integer 5 in end.txt`
			`  5 found in end.txt`
			
			`Searching for the integer 5 in nofive.txt`
			`  5 not found in nofive.txt`
				`Searching for the integer 5 in early.txt`
				`  5 found in early.txt`
				
				`Searching for the integer 5 in middle.txt`
				`  5 found in middle.txt`
				
				`Searching for the integer 5 in end.txt`
				`  5 found in end.txt`
				
				`Searching for the integer 5 in nofive.txt`
				`  5 not found in nofive.txt`

	S	main()	`Please enter a filename (format abc.txt) to save the sorted integers from early.txt:`	`Please enter a filename (format abc.txt) to save the sorted integers from early.txt:`
	B	main()	`The integer 5 was found via binary search.`	`The integer 5 was found via binary search.`
	Q	main()	`Exiting program. Goodbye.`	`Exiting program. Goodbye.`
invalid string commands	I 0.99 A1	main()	`Invalid command. Please re-enter:`	`Invalid command. Please re-enter:`

Reflections

Assumptions: I assumed that the user will be specifying four separate output files for the sorting function, so I prompt the user for output.

Difficulties Encountered: Most of the difficulty came from getting used to using the many different sorting functions available.