# 4566 Test Results

## Test case: (empty table of size 0, the file is completely blank)

Input:

“”

Output:

Exception in thread "main" java.lang.NumberFormatException: For input string: ""

at java.lang.NumberFormatException.forInputString(NumberFormatException.java:65)

at java.lang.Integer.parseInt(Integer.java:592)

at java.lang.Integer.parseInt(Integer.java:615)

at Table.GetTable(Table.java:85)

at Table.GetTable(Table.java:67)

at Runner.main(Runner.java:9)

Summary:

Test case failed. Test output was supposed to return true, however an error occurred during runtime.

## Test case: [0](table with a single element)

Input:

“0”

Output:

[[I@1540e19d]

0

true

The count is 1

0

True

Summary:

Test Case Passed is sorted returned true and the sortable test also returned true as according to the expected return value.

## Test case: [-1] (table with negative element)

Input:

“-1”

Output:

[[I@1540e19d]

-1

true

The count is 1

-1

true

Summary:

Test Case Passed is sorted returned true and the sortable test also returned true.

## Test case: [Integer.MAX\_VALUE] (table with single biggest element)

Input:

“2147483647”

Output:

[[I@1540e19d]

2147483647

true

The count is 1

2147483647

true

Summary:

Test Case Passed is sorted returned true and the sortable test also returned true as according to the expected return value.

## Test case: [Integer.MAX\_VALUE+1] (table with single biggest element)

Input:

“2147483648”

Output:

Exception in thread "main" java.lang.NumberFormatException: For input string: "2147483648"

at java.lang.NumberFormatException.forInputString(NumberFormatException.java:65)

at java.lang.Integer.parseInt(Integer.java:587)

at java.lang.Integer.parseInt(Integer.java:615)

at Table.GetTable(Table.java:85)

at Table.GetTable(Table.java:67)

at Runner.main(Runner.java:9)

Summary:

Test Case Passed because an error was expected for this test case. The error was caused by Table.getTable

## Test case: [1,2,3,4] (sorted table with normal set of values 2x2)

Input:

“1 2

3 4”

Output:

[[I@1540e19d]

1 2

3 4

true

The count is 2

1 2

3 4

Summary:

Test Case Passed because table was sorted and the issortable method returned true as according to the expected return value.

## Test case: [4,3,2,1] (unsorted table with normal set of values 2x2)

Input:

“4 3

2 1”

Output:

[[I@1540e19d]

4 3

2 1

The count is 110

false

The count is 2

1 2

3 4

True

Summary:

Test Case Passed because table was sorted and the issortable method returned false as according to the expected return value.

## Test Results

According to the test plan the code passed more than 80% of the tests and the software is ready to be exported for whatever purposes. The code did not need any modifications other than capitalization and package issues. The code executed with the test plan according to what was stated in the test plan after that. The only error that ever occurred was an empty table. The code had a number formatting exception for an empty table.