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| Test No.: 01 | | | | Current Status: N/A | | |
| Test title: Negative Integer Value Input | | | | | | |
| Testing approach: The test will be running on a JDK environment with the Table.java, and TableSorter.java program. This along with a working Java IDE to be able to view program output and input. This test assumes the text file that is taken in by the program is named table.txt in the file reader line. | | | | | | |
| STEP  1.  2.  3.  4. | OPERATOR ACTION  Create text file named table.txt with table of following numbers  Row 1: 7, 8, 9  Row 2: 4, 5, 6  Row 3: 2, -5, 3  Ensure the file name is table.txt.  Run the program  Check program output for correct sorted table output. | PURPOSE  Creates the table that will be inserted into the test.  Ensures the program will receive the table.  Run’s the program with the table input.  Let’s user check the output of the program. | | | EXEPCTED RESULTS  The expected results of this program should be the output  R1: 7, 8, 9  R2: 4, 5, 6  R3: -5, 2, 3 | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

Valid Input Test Set:

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| Test No.: 02 | | | | Current Status: << Passed / Failed / Pending >> | | |
| Test title: Positive Integer Input | | | | | | |
| Testing approach: The test will be running on a JDK environment with the Table.java, and TableSorter.java program. This along with a working Java IDE to be able to view program output and input. This test assumes the text file that is taken in by the program is named table.txt in the file reader line. | | | | | | |
| STEP  1.  2.  3.  4. | OPERATOR ACTION  Create text file named table.txt with table of following numbers  R1: 8, 7, 9  R2: 4, 5, 6  R3: 2, 1, 3  Ensure the file fits the name expected by program, table.txt  Run the program  Check program output for appropriate table output. | PURPOSE  Creates the table that will be inserted into the test.  Ensures the program will receive the table.  Run’s the program with the table input.  Let’s user check the output of the program. | | | EXEPCTED RESULTS  The expected results of this program should be the output  R1: 7, 8, 9  R2: 4, 5, 6  R3: 1, 2, 3 | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

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| Test No.: 03 | | | | Current Status: << Passed / Failed / Pending >> | | |
| Test title: Double digit integers input | | | | | | |
| Testing approach: The test will be running on a JDK environment with the Table.java, and TableSorter.java program. This along with a working Java IDE to be able to view program output and input. This test assumes the text file that is taken in by the program is named table.txt in the file reader line. | | | | | | |
| STEP  1.  2.  3.  4. | OPERATOR ACTION  Create text file named table.txt with table of following numbers  R1: 98, 97, 99  R2: 9, 68, 69  R3: 1, 2, 70  Ensure the file fits the name expected by program, table.txt  Run the program  Check program output for appropriate table output. | PURPOSE  Creates the table that will be inserted into the test.  Ensures the program will receive the table.  Run’s the program with the table input.  Let’s user check the output of the program. | | | EXEPCTED RESULTS  The expected results of this program should be the output  R1: 97, 98, 99  R2: 9, 68, 70  R3: 1, 2, 69 | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

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| Test No.: 04 | | | | Current Status: << Passed / Failed / Pending >> | | |
| Test title: Column Sort check | | | | | | |
| Testing approach: The test will be running on a JDK environment with the Table.java, and TableSorter.java program. This along with a working Java IDE to be able to view program output and input. This test assumes the text file that is taken in by the program is named table.txt in the file reader line. | | | | | | |
| STEP  1.  2.  3.  4. | OPERATOR ACTION  Create text file named table.txt with table of following numbers  R1: 59, 60, 65  R2: 70, 80, 90  R3: 40, 75, 50  Ensure the file fits the name expected by program, table.txt  Run the program  Check program output for appropriate table output. | PURPOSE  Creates the table that will be inserted into the test.  Ensures the program will receive the table.  Run’s the program with the table input.  Let’s user check the output of the program. | | | EXEPCTED RESULTS  The expected results of this program should be the output  R1: 70, 80, 90  R2: 59, 75, 65  R3: 40, 60, 50 | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

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| Test No.: 05 | | | | Current Status: << Passed / Failed / Pending >> | | |
| Test title: Row Sort check | | | | | | |
| Testing approach: The test will be running on a JDK environment with the Table.java, and TableSorter.java program. This along with a working Java IDE to be able to view program output and input. This test assumes the text file that is taken in by the program is named table.txt in the file reader line. | | | | | | |
| STEP  1.  2.  3.  4. | OPERATOR ACTION  Create text file named table.txt with table of following numbers  R1: 60, 61, 59  R2: 42, 40, 45  R3: 5, 3, 7  Ensure the file fits the name expected by program, table.txt  Run the program  Check program output for appropriate table output. | PURPOSE  Creates the table that will be inserted into the test.  Ensures the program will receive the table.  Run’s the program with the table input.  Let’s user check the output of the program. | | | EXEPCTED RESULTS  The expected results of this program should be the output  R1: 59, 60, 61  R2: 40, 42, 45  R3: 3, 5, 7 | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

Invalid Input Tests Set

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| Test No.: 06 | | | | Current Status: << Passed / Failed / Pending >> | | |
| Test title: Float variable input | | | | | | |
| Testing approach: The test will be running on a JDK environment with the Table.java, and TableSorter.java program. This along with a working Java IDE to be able to view program output and input. This test assumes the text file that is taken in by the program is named table.txt in the file reader line. This test set infers that the program does not accept char, or strings. Only integer variables in the logic. | | | | | | |
| STEP  1.  2.  3.  4. | OPERATOR ACTION  Create text file named table.txt with table of following numbers rows:  R1: 7.444, 7.555, 7.666  R2: 3.222, 3.333, 8.444  R3: 1. 444, 1.222, 1.777  Ensure the file fits the name expected by program, table.txt  Run the program  Check program output for appropriate table output. | PURPOSE  Creates the table that will be inserted into the test.  Ensures the program will receive the table.  Run’s the program with the table input.  Let’s user check the output of the program. | | | EXEPCTED RESULTS  The expected results of this test should be an error message returned due to variable mismatch or other form of error handling | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

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| Test No.: 07 | | | | Current Status: << Passed / Failed / Pending >> | | |
| Test title: Double variable input | | | | | | |
| Testing approach: The test will be running on a JDK environment with the Table.java, and TableSorter.java program. This along with a working Java IDE to be able to view program output and input. This test assumes the text file that is taken in by the program is named table.txt in the file reader line. This test set infers that the program does not accept char, or strings. Only integer variables in the logic. | | | | | | |
| STEP  1.  2.  3.  4. | OPERATOR ACTION  Create text file named table.txt with table of following numbers  R1: 7.7, 7.8, 7.9  R2: 6.5, 6.8, 8  R3: 5.4, 5.3, 5.5  Ensure the file fits the name expected by program, table.txt  Run the program  Check program output for appropriate table output. | PURPOSE  Creates the table that will be inserted into the test.  Ensures the program will receive the table.  Run’s the program with the table input.  Let’s user check the output of the program. | | | EXEPCTED RESULTS  The expected results of this test should be an error message returned due to variable mismatch or other form of error handling | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |

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| Test No.: 08 | | | | Current Status: << Passed / Failed / Pending >> | | |
| Test title: Invalid input, Letters in table | | | | | | |
| Testing approach: The test will be running on a JDK environment with the Table.java, and TableSorter.java program. This along with a working Java IDE to be able to view program output and input. This test assumes the text file that is taken in by the program is named table.txt in the file reader line. This test set infers that the program does not accept char, or strings. Only integer variables in the logic. | | | | | | |
| STEP  1.  2.  3.  4. | OPERATOR ACTION  Create text file named table.txt with table of following numbers  R1: 7, 8, 9  R2: a, A, b  R3: c, d, g  Ensure the file fits the name expected by program, table.txt  Run the program  Check program output for appropriate table output. | PURPOSE  Creates the table that will be inserted into the test.  Ensures the program will receive the table.  Run’s the program with the table input.  Let’s user check the output of the program. | | | EXEPCTED RESULTS  The expected results of this test should be an error message returned due to variable mismatch or other form of error handling | COMMENTS |
| Concluding Remarks: | | | | | | |
| Testing Team:  << List members of testing team and lead >> | | | Date Completed: | | | |