|  |  |  |  |
| --- | --- | --- | --- |
| Reason For Test Case | Input Values | Expected Output | OK |
| -normal GPA data.  - tests limits of if statements : 4.00 and 0.00  - has >= 3.5 and < 2.0 | 1.44  4.00  3.11  2.80  0.50  0.00  2.00  1.12  3.50  3.45 | \*--< Stud Exam Report >--\*  ~ Sorted GPA Low to High ~  0.00  0.50  1.12  1.44  2.00  2.80  3.11  3.45  3.50  4.00  <- end ->  ~ Sorted GPA High to Low ~  4.00  3.50  3.45  3.11  2.80  2.00  1.44  1.12  0.50  0.00  <- end ->  ~ Student with GPA >= 3.50 ~  3.50  4.00  <- end ->  ~ Student with GPA < 2.00 ~  0.00  0.50  1.12  1.44  <- end ->  ~MAX GPA: 4.00  ~MIN GPA: 0.00  ~Mean of GPA: 2.19  \*\*\*< end >\*\*\* |  |
| -No >= 3.5  Also tests if statements peaks. | 2.00  0.00  1.23  1.45  1.67  1.89  2.75  3.00  3.49  2.55 | \*--< Stud Exam Report >--\*  ~ Sorted GPA Low to High ~  0.00  1.23  1.45  1.67  1.89  2.00  2.55  2.75  3.00  3.49  <- end ->  ~ Sorted GPA High to Low ~  3.49  3.00  2.75  2.55  2.00  1.89  1.67  1.45  1.23  0.00  <- end ->  ~ Can't Find Students with GPA >= 3.50 !!  ~ Student with GPA < 2.00 ~  0.00  1.23  1.45  1.67  1.89  <- end ->  ~MAX GPA: 3.49  ~MIN GPA: 0.00  ~Mean of GPA: 2.00  \*\*\*< end >\*\*\* |  |
| -No < 2.0  Also tests if statements peaks. | 2.00  2.50  4.00  3.55  3.45  3.00  3.89  2.01  2.34  3.67 | \*--< Stud Exam Report >--\*  ~ Sorted GPA Low to High ~  2.00  2.01  2.34  2.50  3.00  3.45  3.55  3.67  3.89  4.00  <- end ->  ~ Sorted GPA High to Low ~  4.00  3.89  3.67  3.55  3.45  3.00  2.50  2.34  2.01  2.00  <- end ->  ~ Student with GPA >= 3.50 ~  3.55  3.67  3.89  4.00  <- end ->  ~ Can't Find Students with GPA < 2.00 !!  ~MAX GPA: 4.00  ~MIN GPA: 2.00  ~Mean of GPA: 3.04  \*\*\*< end >\*\*\* |  |