

Reason For Test Case	Input Values	Expected Output							Observed Output
-Passing and failing normal data. - only one valid data	Last,First 1111 70 70 70 Last2,First2 1112 50 50 50	Name	Stud Id	Exam 1	Exam 2	Exam 3	AVG	Passed/Failed	
		Last,First	1111	70.00	70.00	70.00	70.00	PASSED	
		Last2,First2	1112	50.00	50.00	50.00	50.00	FAILED	
		Mean of AVG = 60.00							
- invalid data with valid data	Last,First 1112 97 99 99 Last2,First2 1114 101 99 99	Name	Stud Id	Exam 1	Exam 2	Exam 3	AVG	Passed/Failed	
		Last,First	1112	97.00	99.00	99.00	98.33	PASSED / TOP	
		Last2,First2	1114	101.00	99.00	99.00	~~Invalid Data ~~		
		Mean of AVG = 98.33							
All invalid data situations: -high student id -low stud id -High exam data -Low exam data -no valid data	Last,First 1113 -1 30 30 Last2,First2 10113 30 30 30 Last3,First3 1114 101 30 30 Last3,First3 1115 30 -1 30	Name	Stud Id	Exam 1	Exam 2	Exam 3	AVG	Passed/Failed	
		Last,First	1113	-1.00	30.00	30.00	~~Invalid Data ~~		
		Last2,First2	10113	30.00	30.00	30.00	~~Invalid Data ~~		
		Last3,First3	1114	101.00	30.00	30.00	~~Invalid Data ~~		
		Last4,First4	1115	30.00	-1.00	30.00	~~Invalid Data ~~		
		There is no valid data to calculate the mean of the AVG for it !							
-Peaks of valid exam data 0 and 100 -Peaks of valid studId data 1111 and 9999	Last,First 1111 100 100 100 Last2,First2 9999 0 0 0	Name	Stud Id	Exam 1	Exam 2	Exam 3	AVG	Passed/Failed	
		Last,First	1111	100.00	100.00	100.00	100.00	PASSED	
		Last2,First2	9999	0.00	0.00	0.00	0.00	FAILED	
		Mean of AVG = 50.00							
- only one invalid data	Last,First 11111 70 70 70	Name	Stud Id	Exam 1	Exam 2	Exam 3	AVG	Passed/Failed	
		Last,First	11111	70.00	70.00	70.00	~~Invalid Data ~~		
		There is no valid data to calculate the mean of the AVG for it !							